

ESCUBEDO
Especialitats Elèctriques Escubedo S.A.





Connecting with the world from Girona

At our corporate headquarters we generate all the necessary processes and capabilities to develop our products; from the product design, based on analyses of market needs or suggestions and requests from our clients, to dispatching our products to over 45 countries. The automotive, electrical appliance and electronic markets are the cornerstone of our activities.

Escubedo currently employs over 80 members of staff including all those working for our subsidiaries. This makes up a professional team capable of providing global solutions to our clients' needs.

We create connection systems capable of providing solutions to the most demanding requests, placing them in the market at the minimum price while complying with strict standards of quality. We work in conjunction with top level companies who supply raw materials, stamping machinery, monitoring machinery or top level computer systems (SAP). This collaboration aims at guaranteeing optimum processes.



Our connection networks reach the entire world

In the year 2000 we incorporated our first subsidiary in Mexico, ESCUBEDO DE MÉXICO, with facilities covering 2000 m² including an injection plant for manufacturing connectors and technical parts for the automotive industry and a distribution plant for the Mexican market.

In 2006 we set up our second subsidiary in Brazil with initial activities similar to those carried out at other subsidiaries. In Sao Paulo we currently have a platform for distributing our products to the entire South American market.

In the last twelve months we have inaugurated our new branch in Sweden with the objective of enhancing service to our northern European clients. This way we continue with our expansion and ability to offer the best service possible to the European market.

ESCUTURCO, a subsidiary we are strongly backing will start-up its activities in 2009. This is one of our company's most ambitious projects as it deals with a market in which we have always been well accepted. Turkey's development as one of the world's main manufacturers of electrical appliances requires us to have a presence in their country.



ESCUBRAS
Escubedo do Brasil Indústria e Comércio Eletrônica Ltda

ESCUMEX
Escubedo de México, S.A. de C.V.

ESCUNORDIC AB
Part of Escubedo Group

ESCUTURCO
Elektrik Sanayi ve Ticaret Anonim Şirketi



The most demanding markets continue connecting with us

ESCUBEDO has the ability to be a connection systems supplier for one of the most demanding markets with respect to quality, service and innovation: the automotive market.

Throughout our existence, and always with the support of our clients, we have been able to provide products for the main cabling needs of almost all manufacturers. Today we can proudly say that practically all brands incorporate an ESCUBEDO product contributing toward the correct electrical functioning of your car.

In the automotive component industry we have managed to develop state-of-the-art products which are currently basic components for safety systems and internal and external lighting systems in the principal vehicle types.

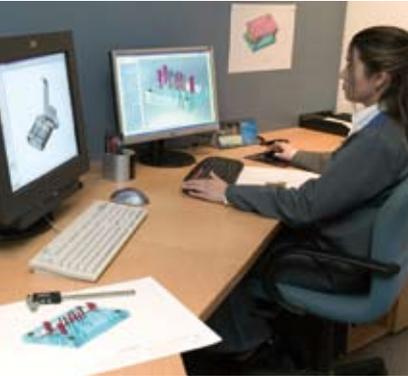
Another sector in which ESCUBEDO has a clear leadership is in the electrical appliance sector. We are one of the leading suppliers to the washing machine, cooker and refrigeration product lines.

Some of these sectors massively use the solutions we have created for this market.

Within this sector, more traditional products are combined with recently developed products based on connections by means of insulating displacement, a new concept brought to the market such as SNAP-IN IDC.

Innovation is often the secret behind the solutions we offer to this market.





A company that always connects with quality control and sustainability

Quality, sustainability and environment are clearly recognizable concepts of our processes.

The quality of our products aims at responding to our clients' requirements. All manufacturing processes are auto controlled following the strictest quality control standards. When necessary, artificial viewing systems allow us to guarantee 100% of our production output.

Sustainability and environment are two concepts intrinsically linked to all our processes. We are concerned about our planet's future and would like to contribute by ensuring we are as efficient as possible in our processes and preservation of the environment.





The appropriate means to connect with the best collaborators

The production plant of over 10,000 m² is equipped with the best production means possible. The plant has over 20 fast stamping lines using top brand presses, unique in their ability to provide product quality guarantee and process optimization.

We add process equipment to these lines (view monitors, reels, winders, etc.) developed by ESCUBEDO in order to complete the process at the lowest cost possible.

Internally implemented production control systems allow us maximum traceability of everything happening at the plant. Flexible and agile production planning systems guarantee that we can quickly respond to clients' needs. Automatic storage systems ensure product availability in the least amount of time possible.

We work with the best plastic injection companies for all our connector product lines. Our excellent collaboration with the best injection companies in Europe allows us to guarantee reliable and economically optimized products.





Always connected to the best professional team

It all starts when a new product is conceived. Our engineers round up all the market's needs to create connection systems that provide technical solutions capable of solving the most demanding challenges.

Once the product has been designed, its manufacturing process is controlled by a team capable of developing everything from the matrix design through to the finished product.

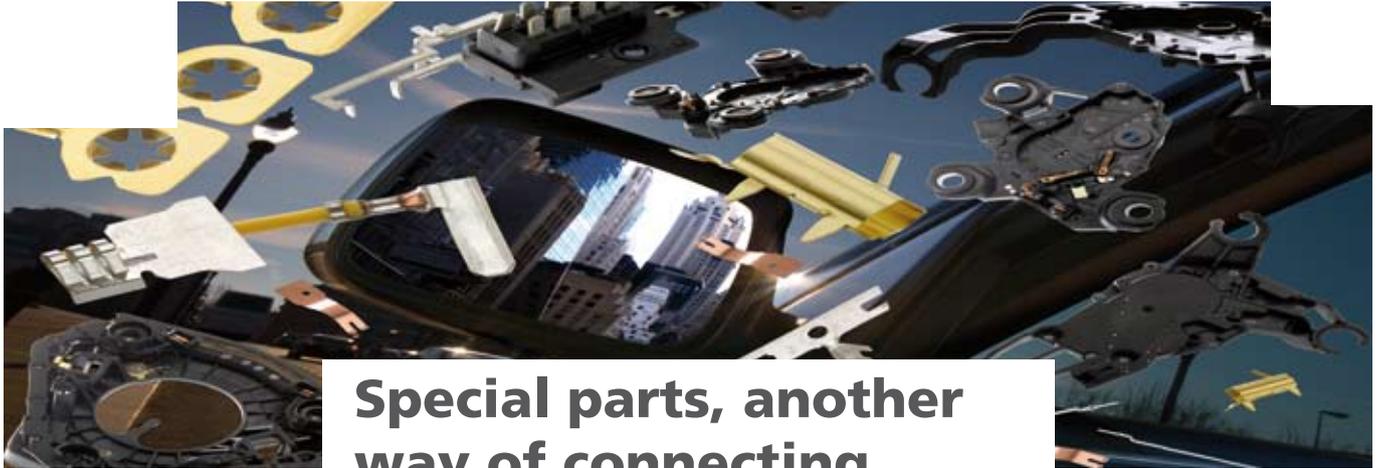
We constantly receive component designs from our clients in this department, accepting and designing them to fit, whenever requested.

We are equipped with CAD work stations based on Solidworks 3d, CAM, wire erosion electrical discharge devices supported by automatic robots and the best metrology systems. We also employ expert professionals for manufacturing progressive matrixes.

Our engineering and R+D+I department is the mainstay of ESCUBEDO's technical improvement and product INNOVATION.

All this is accredited with the TS-16949 certifications granted to our company, along with the ISO9002/2000 certifications granted to all our subsidiaries. All our products requiring VDE and UL standardisation are granted with the corresponding certifications.





Special parts, another way of connecting

We have always described ESCUBEDO, S.A.'s activity as:

- Manufacturing terminals for electrical connections.
- Stamping special precision parts.

In turn, these two activities are delimited as they are always based on elements no thicker than 1 mm. and on materials with standard copper alloys, such as brass or bronze, or using special copper or steel alloys.

We are increasingly undertaking special part manufacturing projects for our clients, regarding both these activities.

In the field of terminals, the specific needs to find a product totally adapting to the task it was designed for, has caused Escubedo, S.A. to design terminals for specific applications.

In the field of special part stamping, we have collaborated with some of our clients in making these parts following their design specifications and providing improvements with the aim of increasing functional abilities of the element.

With the objective of enhancing these activities as much as possible, in the last few months we have added new equipment to the design and production departments which to a great extent have increased the development ability of our matrixes and therefore the possibility of offering more innovative products.

Please let us know your special part stamping needs.

For further information please send an e-mail to:

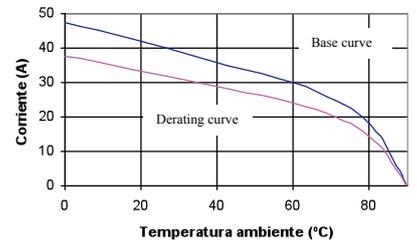
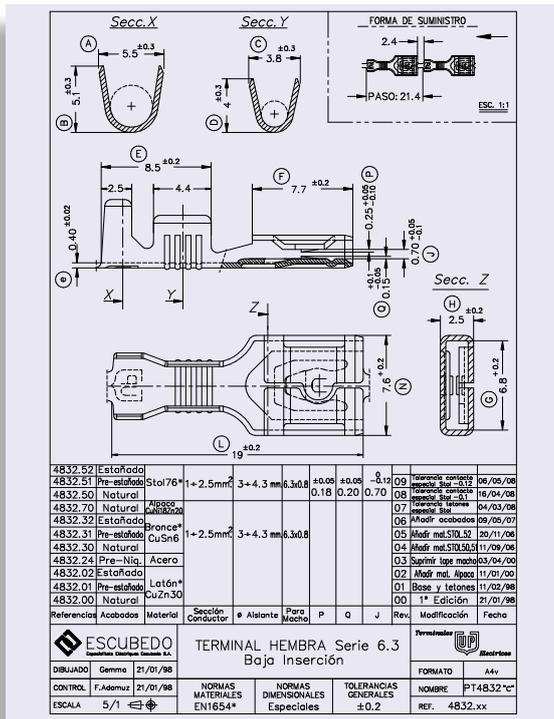
info@escubedo.com

Connect with us for the best technical information

The purpose of this catalogue is to be an efficient and easy to use work tool, including all the basic information of the products currently offered by ESCUBEDO

For further information, product specifications, plans, datasheets, etc... CONNECT with us at www.escubedo.com.

Our data sheets contain all the electrical and mechanical specifications for our terminals, crimping specifications, part plans, product range information sheets and much more information on an increasingly growing web site.



ESCUBEDO Especialitats Elèctriques Escubedo S.A.

UP

Declaration of conformity

We
Especialitats Elèctriques Escubedo S.A.
of
Spain, Barcelona 08013 – Lepant, 230
declare under our sole responsibility that the products
electrical terminals included in our catalogue (2003 edition) in the
following series

UP-MOD series	1,5 series	2,3 series	2,8 series	4,8 series	5 series
6,3 series	8 series	9,5 series	UP-LOK series	Cylindrical series	Claw series
Special series					

to which this declaration relates are in conformity with
Article 4 of Directive 2002/95/EC (RoHS) of the European Parliament
and of the Council, of 27 January 2003
by compliance with the above referenced, the products follow the provisions of the
directive listed below
Directive 2002/95/EC

Place of issue: Barcelona, Spain
Date of issue: June 17, 2005

Product Overview / Características Principales
4832.00

Description / Descripción: Receptacle 6.3 TP
Hembra 6.3 TP

For / Para: 6.3 x 0.8 Tab / Macho 6.3 x 0.8

Wire size range / Rango de sección de cable: 1 – 2.5 mm²

Maximal insulator diameter / Diámetro máximo aislante: 4.3 mm

Wire stripping / Longitud de pelada: 5.5 ± 0.5 mm

Application Tool / Utili de engaste: **MN4832**

Material / Material: Natural Brass / Latón Natural

Test values / Resultados de ensayos

Insertion and withdrawal force / Esfuerzo introducción-extracción					
	1° insertion / 1ª introducción	1° withdrawal / 1ª extracción	6° withdrawal / 6ª extracción	10° withdrawal / 10ª extracción	
CEI760	76 N max	13 N min	13 N min	-	
ESCUBEDO	35 N max	50 N min	-	20 N min	
Typical values	17 N	61 N	-	23 N	

Current carrying capacity with maximal suitable wire size (IEC 760) **20A**
Capacidad de paso de corriente con la sección de cable mayor (CEI 760)

Maximal temperature (DIN 46249) **90°C** Typical value
Temperatura máxima (DIN 46249)

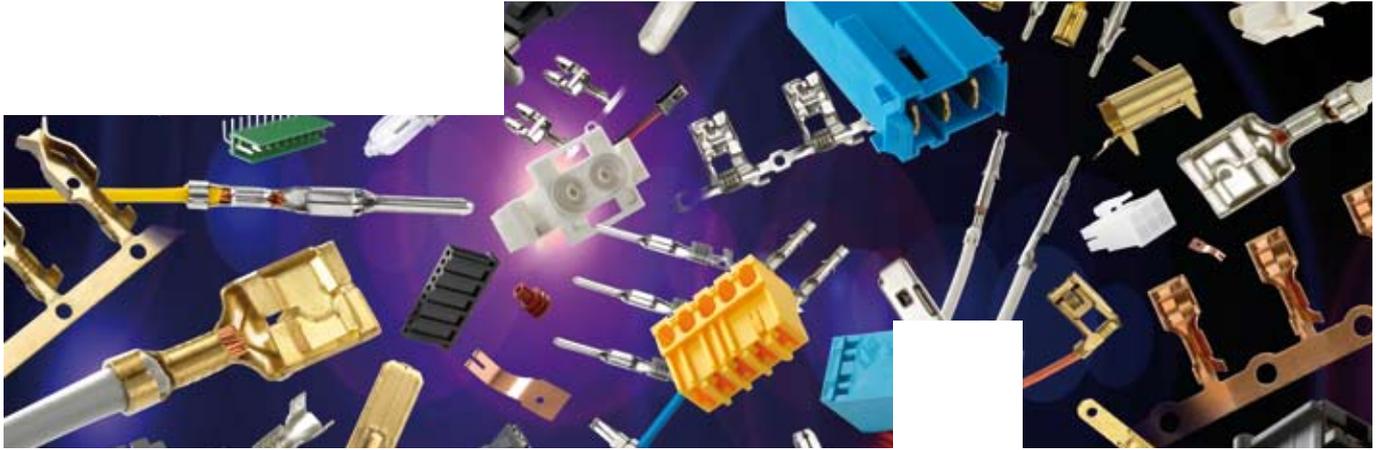
Maximal contact resistance with minimal suitable wire size (IEC 760) **1.2mΩ** **0.47mΩ**
Máxima resistencia de contacto con la sección de cable menor (CEI 760)

Wire size / Sección	Crimp data			Pull-out force	
	Conductor height	Insulator height	Insulator width	DIN 46249	typical
1.0 mm ²	1.55	3.04	4.09	≥160 N	180 N
1.5 mm ²	1.70	3.04	4.10	≥200 N	220 N
2.0 mm ²	1.80	3.05	4.11	≥200 N	240 N
2.5 mm ²	1.90	3.06	4.12	≥250 N	280 N

Values only valid for the application tool specified previously. / Valores válidos únicamente para el utili de engaste especificado arriba.

Further information on request / Para más información consultar info@escubedo.com

4	Change application tool name	17/01/2009	Diana Martínez	Alpenco Arecibo
3	Crimp data & Pull-out force modification	13/01/2009	Diana Martínez	Alpenco Arecibo
2	Crimp icon addition	20/01/2004	Maria Guzmán	Luis Barrera
1	Creation & Derating	19/12/2003	Maria Guzmán	Luis Barrera
M/N	Modification/Modificación	Date/Fecha	Name/Nombre	Approver/Aprobador



Assure your connections with our application equipment

We are aware that our job does not end once the product has been manufactured and that we need to continue the process until the point when they are used in the cabling systems, components or products made by our clients.

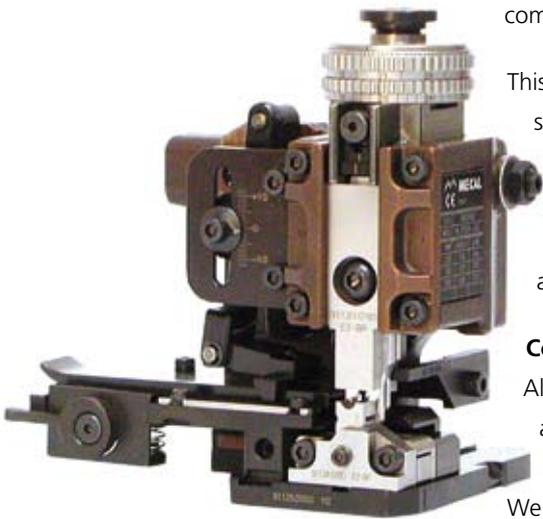
This is why we constantly work to define the basic specifications so using our products can comply with the requirements they were designed for. Detailed crimping specifications are necessary in order to make the most of the terminal's abilities from a technical point of view.

Contact us for your application requirements.

All products requiring subsequent crimping are analysed at Escubedo so our customers can use them according to our specifications. We collaborate with leading European applicator

manufacturers to offer a wide range of solutions. Using our applicators and following our crimping specifications, we can ensure that the terminals will fulfil the requirements they were designed for.

Following the premise of offering everything the client could possibly need, we also have a wide range of crimping presses, stripper-crimpers, terminal crimping accessories, etc...





In the crimping press section we offer a range of presses practically covering all crimping force requirements. Everything from the TT press designed to economically ensure perfect crimping, to high tonnage presses for crimping power terminals in conjunction with magnum applicators and the P104 press which can be considered a standard crimping press.

In addition to our offer we supply all possible accessories, from charge cells, press calibration gauges, paper storage accessories, etc...

As a last stage to this process, we have computerized systems for controlling your applicator storage ground, allowing you to comply with the standards under TS 16949 and controlling at all times the status of your applicators, their maintenance needs and monitoring the use of active crimping elements for follow-up and control purposes.

Do not hesitate to contact us for further information on all the products we supply.





UL Approved references

2,8 (.110) Type series

Part number	AWG	Material					
		Brass 00	Brass Pre-Sn 01	Brass Sn 02	Bronze 30	Bronze Sn 32	Steel Ni 24
4408.	20-18	•		•			
4408D		•		•			
4410.		•		•			
4410D		•		•			
4809.		•	•				•
4809D		•	•				•
4811.		•	•				•
4811D		•	•				•
5408.		•	•				
5408D		•	•				
5410.		•	•				
5410D		•	•				

4,8 (.187) Type series

Part number	AWG	Material					
		Brass 00	Brass Pre-Sn 01	Brass Sn 02	Bronze 30	Bronze Sn 32	Steel Ni 24
4115.	20-18	•	•	•			•
4412.		•		•			•
4414.		•		•			•
4416.	18-14	•		•			•
4418.		•		•			•
4712.	20-18	•		•			
4713.		•		•			
4714.		•		•			
4715.		•		•			
4716.	18-14	•		•			
4717.		•		•			
4718.		•		•			
4719.		•		•			
4813.	20-18	•	•				•
4815.		•	•				•
4817.	18-14	•	•				•
4819.		•	•				•
4913.	20-18	•	•				•
4915.		•	•				•
4917.	18-14	•	•				•
4919.		•	•				•
5712.	20-18	•	•				•
5714.		•	•				•
5812.		•	•				•
5814.		•	•				•
6412.		•	•				•
6413.		18-14	•	•			

6,3 (.250) Type series

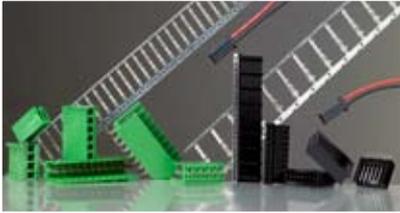
Part number	AWG	Material					
		Brass 00	Brass Pre-Sn 01	Brass Sn 02	Bronze 30	Bronze Sn 32	Steel Ni 24
4120.	20-18	•	•	•			•
4122.	18-14	•	•	•			•
4124.	14-10	•	•	•			•
4323.	20-18	•		•	•	•	
4327.	18-14	•		•	•	•	
4333.	20-18	•		•	•	•	
4337.	18-14	•		•	•	•	
4346.	14-10	•		•	•	•	
4348.		•		•	•	•	
4420.	20-18	•		•			•
4422.	18-14	•		•			•
4425.	14-10	•		•			•
4540.	20-18	•		•			•
4542.	18-14	•		•			•
4544.	14-10	•		•			•
4720.	20-18	•		•			
4722.	18-14	•		•			
4724.	14-10	•		•			
4730.	20-18	•		•			
4732.	18-14	•		•			
4734.	14-10	•		•			
4830.	20-18	•	•				•
4832.	18-14	•	•				•
4834.	14-10	•	•				•
4920.	20-18	•	•				
4922.	18-14	•	•				
4924.	14-10	•	•				
4930.	20-18	•	•				•
4932.	18-14	•	•				•
4934.	14-10	•	•				•
5332.	20-18	•	•				•
5333.		•	•				•
5334.		•	•				•
5335.	18-14	•	•				•
5420.	20-18	•		•			•
5422.	18-14	•		•			•
5720.	20-18	•	•				•
5722.	18-14	•	•				•
5725.	20-18	•	•				•
5726.	18-14	•	•				•
5820.	20-18	•	•				•
5822.	18-14	•	•				•
6424.	20-18	•	•				
6426.		•	•				
6432.	18-14	•	•				
6434.		•	•				
6438.	14-10	•	•				
6440.		•	•				

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Rast5 Type series

1.1



UP-MOD Terminals

2.1



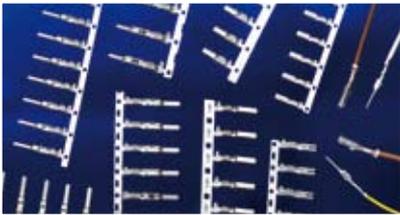
UP-LOK Terminals

3.1



UP-MATE Terminals

4.1



1,5 (.060) Type series terminals
2,3 (.090) Type series terminals

5.1



2,8 (.110) Type series terminals

6.1



4,8 (.187) Type series terminals

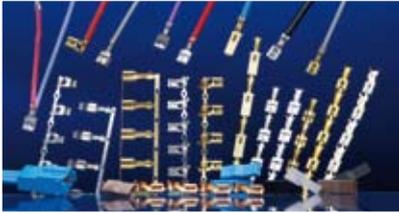
7.1

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5 (.197) Type series terminals

8.1



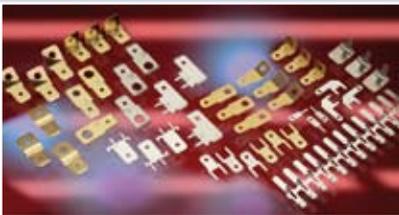
6,3 (.250) Type series terminals

9.1



8 (.315) Type series terminals
9,5 (.375) Type series terminals

10.1



Plane tabs terminals

11.1



Cylindrical terminals

12.1



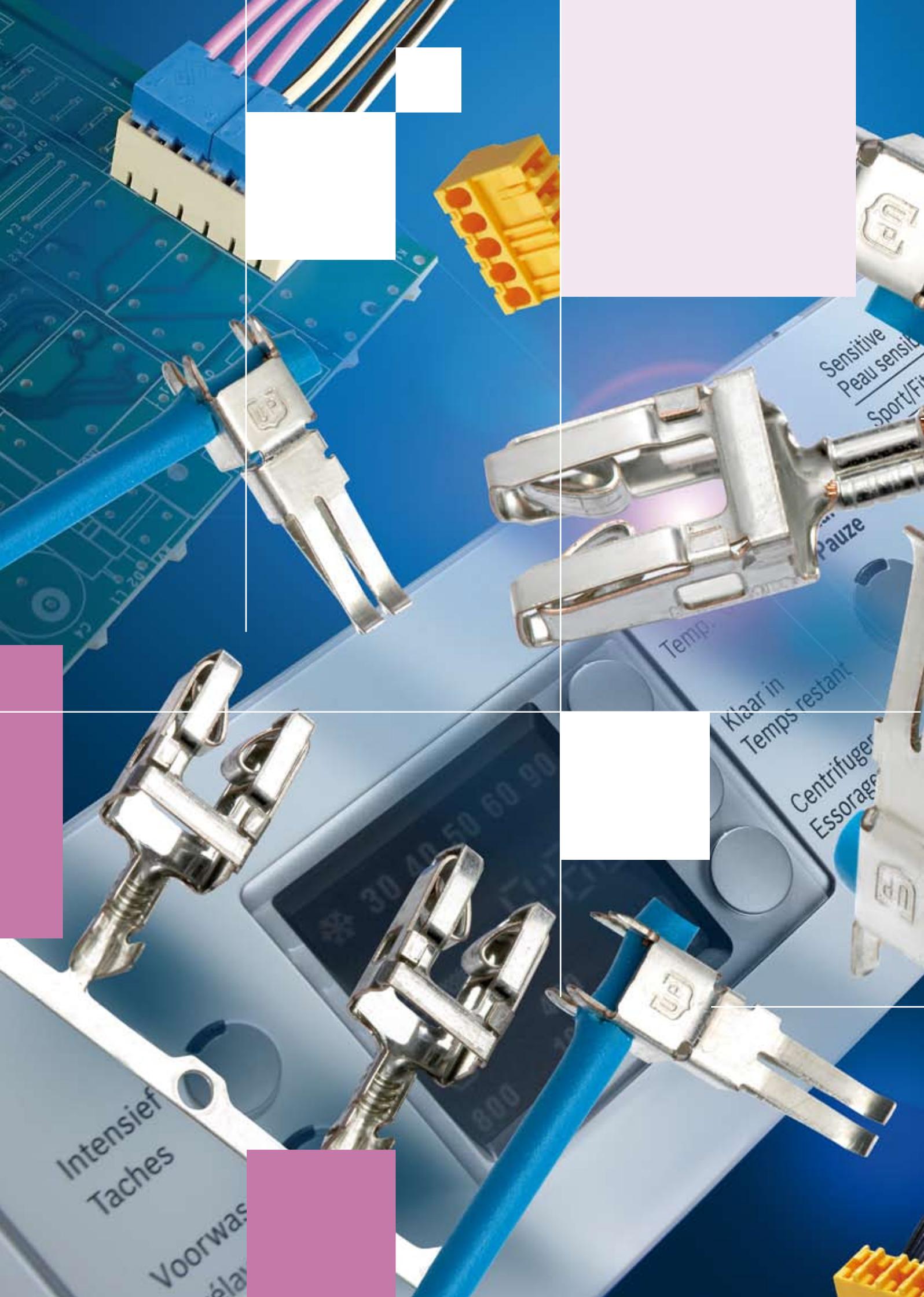
Ring terminals

13.1



Special terminals

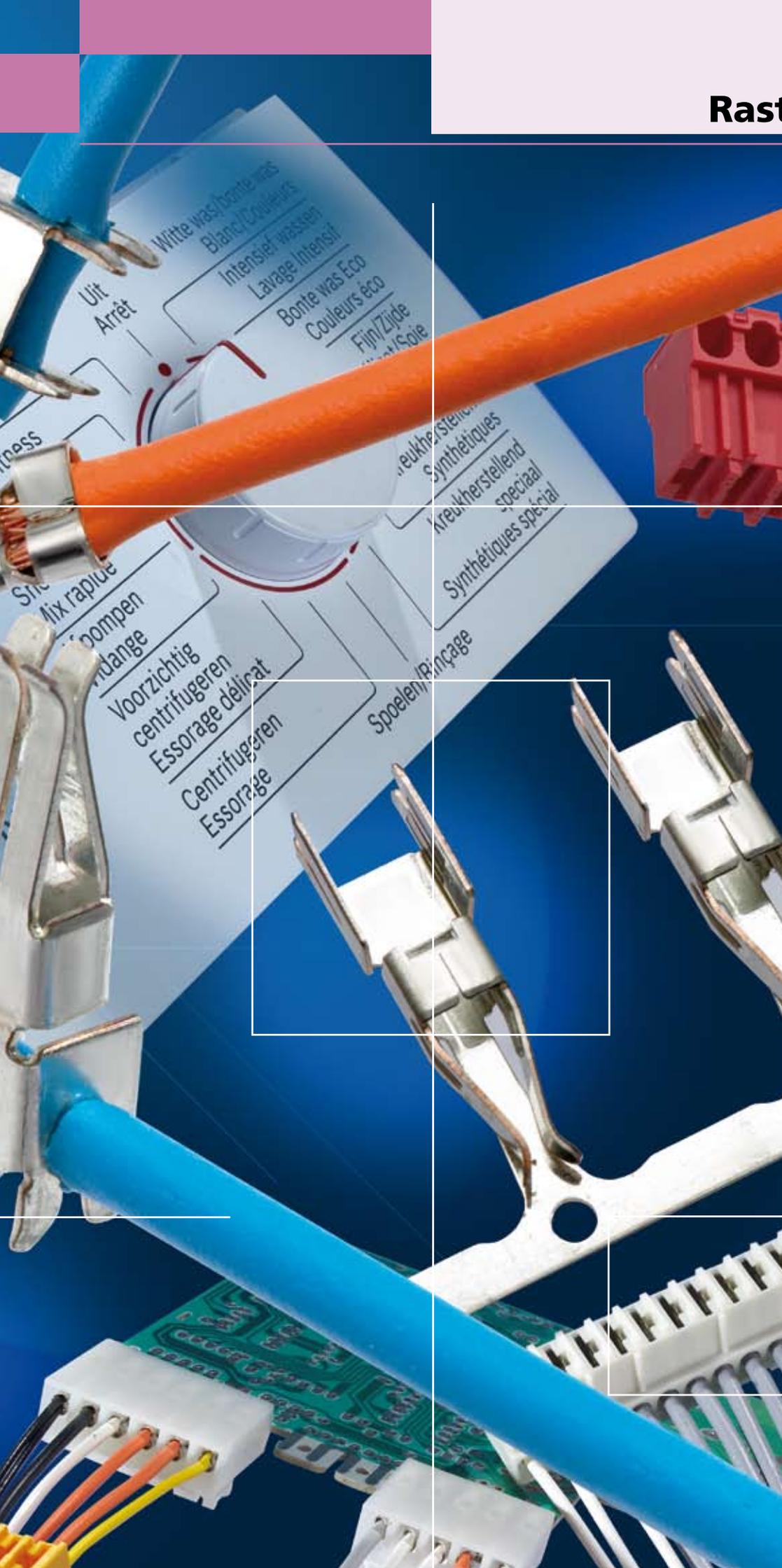
14.1



Rast5 Type series

Terminals

Rast5 Type Series



Snap in IDC PCB direct connection

RAST5 Type series



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,3-0,5 (22-20)	1,7 Mx.	PCB	8421.	•				•			0,32	5.000
	0,5-0,75 (20-18)	2,2 Mx.		8423.	•				•				

IDC Direct connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R584240-k				•	Natural	2
	R584270-k	•					
	R584340-k				•	Natural	3
	R584370-k	•					
	R584440-k				•	Natural	4
	R584470-k	•					
	R584540-k				•	Natural	5
	R584570-k	•					
	R584640-k				•	Natural	6
	R584670-k	•					
	R584740-k				•	Natural	7
	R584770-k	•					

Snap in IDC PCB direct connection

RAST5 Type series

IDC Direct connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R584840-k				•	Natural	8
	R584870-k	•					
	R584940-k				•	Natural	9
	R584970-k	•					
	R5841040-k				•	Natural	10
	R5841070-k	•					
	R5841140-k				•	Natural	11
	R5841170-k	•					
	R5841240-k				•	Natural	12
	R5841270-k	•					

Snap in IDC PCB indirect connection

RAST5 Type series



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,3-0,5 (22-20)	1,7 Máx.	0,8	8420.		•			•			0,4	4.500
	0,5-0,75 (20-18)	2,2 Máx.		8422.		•			•				
	1-1,5 (18-16)	2,5 Máx.		8424.		•			•				

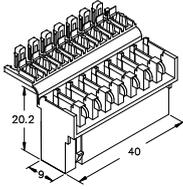
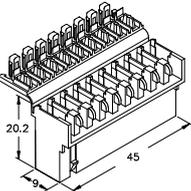
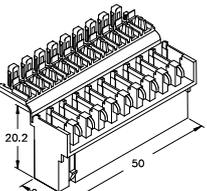
IDC Indirect connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R583240-k				•	Natural	2
	R583270-k	•					
	R583340-k				•	Natural	3
	R583370-k	•					
	R583440-k				•	Natural	4
	R583470-k	•					
	R583540-k				•	Natural	5
	R583570-k	•					
	R583640-k				•	Natural	6
	R583670-k	•					
	R583740-k				•	Natural	7
	R583770-k	•					

Snap in IDC PCB indirect connection

RAST5 Type series

IDC Indirect connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R583840-k				•	Natural	8
	R583870-k	•					
	R583940-k				•	Natural	9
	R583970-k	•					
	R5831040-k				•	Natural	10
	R5831070-k	•					

Rast5 PCB crimp-connect

RAST5 Type series



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,35-0,6 (22-20)	1,7	PCB	9200.		•			•			0,25	4.500
	0,5-0,1 (20-18)	2,8		9202.		•			•				

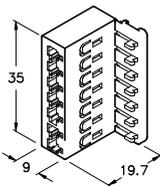
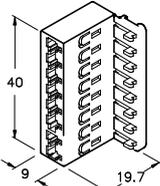
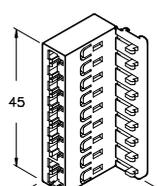
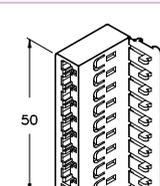
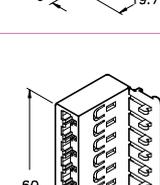
Connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	P592210		•			Natural	2
	P592230			•			
	P592240				•		
	P592270	•					
	P592410		•			Natural	4
	P592430			•			
	P592440				•		
	P592470	•					
	P592510		•			Natural	5
	P592530			•			
	P592540				•		
	P592570	•					
	P592610		•			Natural	6
	P592630			•			
	P592640				•		
	P592670	•					

Rast5 PCB crimp-connect

RAST5 Type series

Connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	P592710		•			Natural	7
	P592730			•			
	P592740				•		
	P592770	•					
	P592810		•			Natural	8
	P592830			•			
	P592840				•		
	P592870	•					
	P592910		•			Natural	9
	P592930			•			
	P592940				•		
	P592970	•					
	P5921010		•			Natural	10
	P5921030			•			
	P5921040				•		
	P5921070	•					
	P5921210		•			Natural	12
	P5921230			•			
	P5921240				•		
	P5921270	•					

Rast5 PCB crimp-connect

RAST5 Type series

Straight receptacle holder connections



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
<p>With upper dimple</p>	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4120F	•	•	•	•	•	•	•	0,4	8.000	
	0,5-1 (20-18)	1,8-2,5		4120.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	2-3,3		4120E	•	•	•	•	•	•	•		•	7.000
	1-2,5 (18-14)	3-4,3		4122.	•	•	•	•	•	•	•		•	
	2,5-5 (14-10)	3,6-5		4124.	•	•	•	•	•	•	•		•	6.000
	See page 12													
<p>Without upper dimple</p>	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4121F	•	•	•	•	•	•	•	0,4	8.000	
	0,5-1 (20-18)	1,8-2,5		4121.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	2-3,3		4121E	•	•	•	•	•	•	•		•	7.000
	1-2,5 (18-14)	3-4,3		4123.	•	•	•	•	•	•	•		•	
	2,5-5 (14-10)	3,6-5		4125.	•	•	•	•	•	•	•		•	6.000
	See page 12													

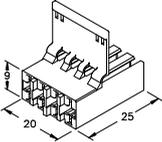
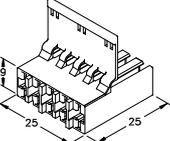
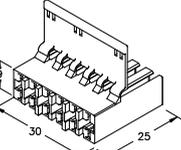
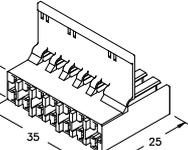
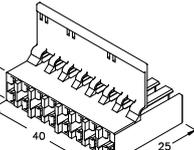
Receptacle holder aerial connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
		•	•	•	•		
	R541210-k	•	•	•	•	Natural	2
	R541230-k	•	•	•	•		
	R541240-k	•	•	•	•		
	R541270-k	•	•	•	•		
	R541310-k	•	•	•	•	Natural	3
	R541330-k	•	•	•	•		
	R541340-k	•	•	•	•		
	R541370-k	•	•	•	•		

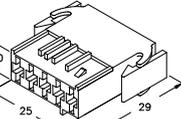
Rast5 PCB crimp-connect

RAST5 Type series

Receptacle holder aerial connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R541410-k		•			Natural	4
	R541430-k			•			
	R541440-k				•		
	R541470-k	•					
	R541510-k		•			Natural	5
	R541530-k			•			
	R541540-k				•		
	R541570-k	•					
	R541610-k		•			Natural	6
	R541630-k			•			
	R541640-k				•		
	R541670-k	•					
	R541710-k		•			Natural	7
	R541730-k			•			
	R541740-k				•		
	R541770-k	•					
	R541810-k		•			Natural	8
	R541830-k			•			
	R541840-k				•		
	R541870-k	•					

Receptacle holder panel connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R531530-k			•		Natural	5
	R531532-k			•		Yellow	
	R531533-k			•		Red	
	R531534-k			•		Green	

Rast5 UP-TP crimp-connect

RAST5 Type series

Flag receptacle holder connections



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
 With upper dimple	0,2-0,6 (24-20)	2,1 Máx.	6,3x0,8	5332F	•	•		•	•		•	0,4	4.000
	0,5-1,5 (20-16)	1,9-3,3		5332.	•	•		•	•		•		3.500
	1-2,5 (18-14)	2,7-3,8		5334.	•	•		•	•		•		3.000
See page 12													
 Without upper dimple	0,2-0,6 (24-20)	2,1 Máx.	6,3x0,8	5333F	•	•		•	•		•	0,4	4.000
	0,5-1,5 (20-16)	1,9-3,3		5333.	•	•		•	•		•		3.500
	1-2,5 (18-14)	2,7-3,8		5335.	•	•		•	•		•		3.000
See page 12													

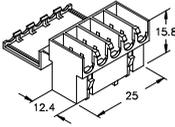
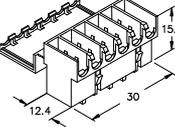
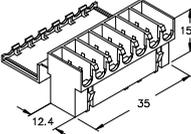
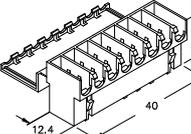
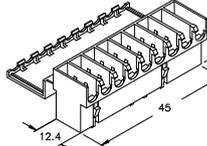
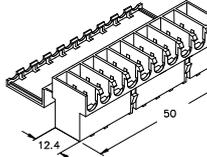
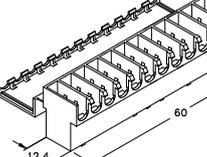
Flag receptacle holder connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
 15,8 12,4 10	R553210-k		•			Natural	2
	R553230-k			•			
	R553240-k				•		
	R553270-k	•					
 15,8 12,4 15	R553310-k		•			Natural	3
	R553330-k			•			
	R553340-k				•		
	R553370-k	•					
 15,8 12,4 20	R553410-k		•			Natural	4
	R553430-k			•			
	R553440-k				•		
	R553470-k	•					

Rast5 UP-TP crimp-connect

RAST5 Type series

Flag receptacle holder connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
 <p>Dimensions: 12.4, 25, 15.8</p>	R553510-k		•			Natural	5
	R553530-k			•			
	R553540-k				•		
	R553570-k	•					
 <p>Dimensions: 12.4, 30, 15.8</p>	R553610-k		•			Natural	6
	R553630-k			•			
	R553640-k				•		
	R553670-k	•					
 <p>Dimensions: 12.4, 35, 15.8</p>	R553710-k		•			Natural	7
	R553730-k			•			
	R553740-k				•		
	R553770-k	•					
 <p>Dimensions: 12.4, 40, 15.8</p>	R553810-k		•			Natural	8
	R553830-k			•			
	R553840-k				•		
	R553870-k	•					
 <p>Dimensions: 12.4, 45, 15.8</p>	R553910-k		•			Natural	9
	R553930-k			•			
	R553940-k				•		
	R553970-k	•					
 <p>Dimensions: 12.4, 50, 15.8</p>	R5531010-k		•			Natural	10
	R5531030-k			•			
	R5531040-k				•		
	R5531070-k	•					
 <p>Dimensions: 12.4, 60, 15.8</p>	R5531210-k		•			Natural	12
	R5531230-k			•			
	R5531240-k				•		
	R5531270-k	•					

Rast5 UP-TP crimp-connect

RAST5 Type series

Rast5 tab holder connections



Tabs for connector

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-sn	Brass Sn	Bronze	Bronze Pre-sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	6423.*	•	•		•	•			0,4	5.000
	0,5-1 (20-18)	1,5-2,1 FLR		6421.*	•	•		•	•				6.000
		1,8-2,5		6424.*	•	•		•	•				5.000
	1-2,5 (18-14)	3-4,3		6432.*	•	•		•	•				5.000
	2,5-6 (14-10)	3,8-6		6438.*	•	•		•	•				3.500
				See page 12									
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	6425.*	•	•		•	•			0,4	6.000
	0,5-1 (20-18)	1,5-2,1 FLR		6427.*	•	•		•	•				5.000
		1,8-2,5		6426.*	•	•		•	•				5.000
	1-2,5 (18-14)	3-4,3		6434.*	•	•		•	•				5.000
	2,5-6 (14-10)	3,8-6		6440.*	•	•		•	•				3.500
				See page 12				*DIN 46343					

Tab holder aerial connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R564210-k		•			Natural	2
	R564230-k			•			
	R564240-k				•		
	R564270-k	•					
	R564310-k		•			Natural	3
	R564330-k			•			
	R564340-k				•		
	R564370-k	•					
	R564510-k		•			Natural	5
	R564530-k			•			
	R564540-k				•		
	R564570-k	•					

Rast5 UP-TP crimp-connect

RAST5 Type series

Tab holder aerial connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R575530-k			•		Natural	5
	R575532-k			•		Yellow	
	R575533-k			•		Red	
	R575534-k			•		Green	
	R564610-k		•			Natural	6
	R564630-k			•			
	R564640-k				•		
	R564670-k	•					

Tab holder panel connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R574330-k			•		Natural	3
	R574336-k			•		Blue	
	R565310-k		•			Natural	3
	R565330-k			•			
	R565340-k				•		
	R565370-k	•					
	R574530-k			•		Natural	5
	R574532-k			•		Yellow	
	R574533-k			•		Red	
	R574534-k			•		Green	
	R565510-k		•			Natural	5
	R565530-k			•			
	R565540-k				•		
	R565570-k	•					

Rast5 UP-TP crimp-connect

RAST5 Type series

Tab holder panel connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R565610-k		•			Natural	6
	R565630-k			•			
	R565640-k				•		
	R565670-k	•					
	R565810-k		•			Natural	8
	R565830-k			•			
	R565840-k				•		
	R565870-k	•					
	R567810-k		•			Natural	8
	R567830-k			•			
	R5671010-k		•			Natural	10
	R5671030-k			•			
	R5688410-k		•			Natural	12 (8+4)
	R5688440-k				•		
	R5688210-k		•			Natural	12 (10+2)
	R5688240-k				•		

Rast5 PCB crimp-connect

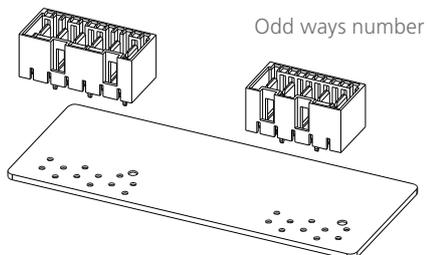
RAST5 Type series

PCB Tab connectors

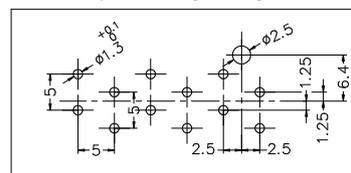
Figure	Part number	PA6GF30NF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R569240-k	•				Natural	2
	R569340-k	•				Natural	3
	R569440-k	•				Natural	4
	R569540-k	•				Natural	5
	R569640-k	•				Natural	6
	R569740-k	•				Natural	7

PCB Layout

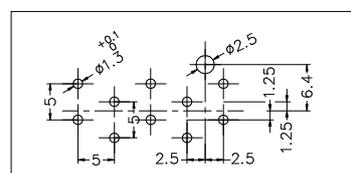
Even ways number



Standard positioning configuration

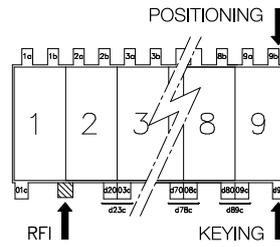


Even



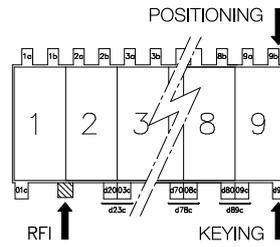
Odd

Rast5 connectors - 2 ways



	k=00	1+2		1a,1b,2a,2b,01c,d20		k=01	1+2	Rast 02-A	1b,2a,01c,d20
	k=02	1+2	Rast 02-F	1a,2b		k=03	1+2	Rast 02-E	1a,2b,d20
	k=04	1+2	Rast 02-I	1b,2b,01c		k=05	1+2	Rast 02-G	1b,2a,2b,d20
	k=06	1+2		01c		k=07	1+2	Rast 02-K	1a,2a,01c
	k=08	1+2		1b,2b,d20		k=09	1+2		1a,2a,01c,d20
	k=10	1+2	Rast 02-B	1a,2b,01c		k=11	1+2		01c,d20
	k=12	1+2		2b,01c		k=13	1+2	Rast 02-M	1a,01c,d20
	k=14	1+2		1a,d20		k=15	1+2		2a,01c
	k=16	1+2	Rast 02-Q	1b,01c,d20		k=17	1+2	Rast 02-O	1b,2a,01c
	k=18	1+2	Rast 02-P	2b,01c,d20		k=19	1+2		1a,1b,2a,2b,d20
	k=20	1+2		1b,2a,2b,01c		k=21	1+2		1a,2a,d20
	k=22	1+2		1b,2b,01c,d20		k=23	1+2		1b,2a,2b,01c,d20
	k=24	1+2		1b,2a,2b		k=25	1+2		1b,2a,d20
	k=26	1+2		1a,1b,2a		k=27	1+2		1a,01c
	k=28	1+2	Rast 02-H	1a,1b,2b,d20		k=29	1+2		1a,1b,2a,d20
	k=30	1+2		1a,1b,2b,01c		k=31	1+2		1a,1b,2a,01c,d20
	k=32	1+2		1a,2b,01c,d20		k=33	1+2		2a,2b
	k=34	1+2	Rast 02-C	2a,01c,d20		k=35	1+2		1b
	k=38	1+2	Rast 02-D	1a,1b,01c		k=39	1+2	Rast 02-L	2b
	k=40	1+2	Rast 02-N	1a,1b,d20		k=80	1+2		
	k=90			1a,2b,d12c		k=99			

Rast5 connectors - 3 ways

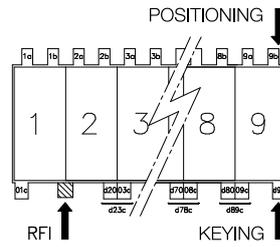


	k=00	1+2;2+3	1a,1b,2a,2b,3a,3b,01c,d30		k=01	2+3	2b,3b,01c,02c,d30
	k=02	2+3	2b,3b,01c,d10,d30		k=03	1+2	Rast 03-A 1b,01c,d20
	k=04	2+3	01c,d30		k=05	1+2	1b,2a,01c,d20
	k=06	1+2	1b,01c		k=07	2+3	Rast 03-B 2b,d12c
	k=08	1+2	3a,01c		k=09	1+2	Rast 03D 1a,03c
	k=10	1+2	Rast 03-E 1a,1b,d30		k=11	1+2	1a,d23c
	k=12	1+2	Rast 03-H 2b,d20		k=13	1+2	Rast 03-I 1b,d23c
	k=14	2+3	2b,3b		k=15	2+3	1a,1b
	k=16	2+3	3b,d12c		k=17	1+2	1b,2a,2b,3a,01c,d20
	k=18	1+2	1b,2a,2b,3a,01c,d23c		k=19	1+2	1a,3b,01c,d23c,d30
	k=20	1+2	1b,2a		k=21	1+2	1a,3b,01c,d30
	k=22	2+3	2b,3b,01c,d30		k=23	2+3	1a,2b
	k=24	1+2	Rast 03-C 1b,3a,01c		k=25	1+2	Rast 03-F 1a,3b,01c
	k=26	1+2	Rast 03-G 1a,3a,01c		k=27	2+3	Rast 03-K 3b,01c,d30
	k=80	1+2			k=99		

RAST5 Type series

Keying

Rast5 connectors - 4 ways

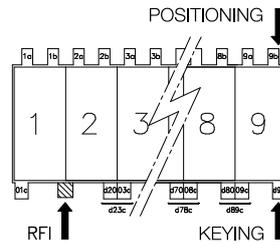


	k=01	1+2;3+4	Rast 04-A	1b,03c,d40		k=02	1+2;3+4	1a,2b,3b,d40
	k=03	2+3		2b,3b,d10		k=04	2+3	1b,d40
	k=05	1+2;3+4		1b,2a,3a,3b,4b,d20,d23c,d40		k=06	1+2;3+4	1b,2a,4b,01c,d23c,d40
	k=07	1+2		d20		k=11	1+2;3+4	Rast 04-B 1a,4b,01c
	k=12	1+2;3+4	Rast 04-C	1a,4b,d40		k=13	2+3	Rast 04-D 3b,d30
	k=14	1+2;3+4	Rast 04-E	1a,3a,d23c		k=15	1+2;3+4	Rast 04-F 1a,3a,d40
	k=16	1+2;3+4	Rast 04-G	2a,4b,d20		k=90	1+2;3+4 (reverse)	1a,2b,04c
	k=98	d20		1b,2a,2b,3a,4b,01c,d40		k=99		

Keying

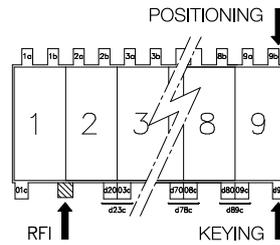
RAST5 Type series

Rast5 connectors - 5 ways



	k=01	1+2;4+5	1a,5b,01c,d23c,d50		k=02	4+5	4b,01c,02c,d23c,04c,d50
	k=03	4+5	4b,01c,d10,d23c,d30,d50		k=04	4+5	4b,01c,d12c,03c,04c,d50
	k=05	4+5	4b,01c,d10,d20,d34c,d50		k=06	1+2;3+4	3a,3b,d50
	k=07	4+5	4b,01c,d50		k=08	1+2;3+4	1a,5b,01c,d23c,d50
	k=09	1+2;4+5	2a,3a,5a,01c,04c,d50		k=10	1+2;4+5	1b,3b,4b,01,d20,d50
	k=11	2+3	d34c		k=12	4+5	d30
	k=13	1+2;3+4	1b,2a,3b,5a,01c,d23c		k=14	2+3	2a,2b,4a,4b,d34c
	k=15	1+2;4+5	Rast 05-B 2b,d20		k=16	2+3	1a,5b,d34c
	k=17	1+2	5b,d30		k=18	1+2;4+5	1a,2b,3b,5b
	k=19	2+3	1a,5b,d30		k=20	3+4	1a,5b,01c
	k=21	2+3	1a,5b		k=22	1+2;3+4;4+5	1b,2a,5a,5b,03c
	k=23	1+2	3a,3b		k=24	3+4	1a,5b,01c
	k=25	1+2;2+3	Rast 05-A 1a,5b,01c,d30		k=26	2+3	Rast 05-C 2b,d10,04c
	k=27	1+2;4+5	Rast 05-D 1a,4a,d30		k=95		1a,5b,d30

Rast5 connectors - 6 ways

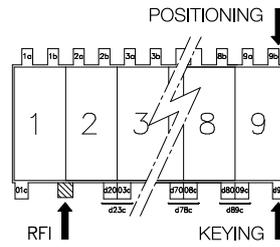


	k=01	2+3;5+6		1b,2a,3a,4b,5a,5b,6b,01c,d60
	k=02	1+2;3+4;5+6		1b,2a,3a,4a,5a,6b,01c,d23c,3c,05c
	k=03	1+2;4+5		2a,4b,5b,01c,d30
	k=04	2+3;5+6		1b,3a,4b,5a,5b,6b,01c,d60
	k=05	2+3		1a,2b,5a,6b,d10,d34c,05c,06c
	k=06	4+5		01c
	k=07	3+4		d45c
	k=08	1+2;5+6	Rast 06-D	2b,6b,d40
	k=09	5+6		d12c,d60
	k=10	2+3;5+6		2a,3b,5b,6b
	k=11	1+2;3+4;5+6		1a,1b,2a,3a,4b,5b,6a,6b,01c,d23c,d60
	k=12	1+2;3+4;5+6		1b,3a,3b,4a,5a,5b,6b,01c,d20,d40,d60
	k=13	1+2;3+4;5+6		1a,1b,2b,3b,d20,05c,d60
	k=16	1+2;4+5	Rast 06-A	1b,03c,d60
	k=17	1+2;4+5	Rast 06-B	1b,03c
	k=18	1+2;5+6	Rast 06-C	1b,6a,04c
	k=19	1+2;5+6	Rast 06-E	1a,6b,d40
	k=90	1+2;4+5 (reverse)		1a,6b,01c,02c,d23c,d40,d56c
	k=91			6b,02c,d40

RAST5 Type series

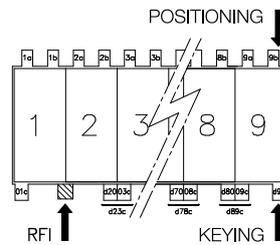
Keying

Rast5 connectors - 7 ways



	k=01	1+2;3+4,6+7		1b,3a,3b,6b,7a,01c,d23c,d40,06c,d70
	k=02	1+2;5+6		04c,05c
	k=03	2+3		1b,3b,5a,5b,d70
	k=04	1+2;5+6	Rast 07-A	03c,d40,07c
	k=05	1+2;5+6	Rast 07-B	d20,d60
	k=06	1+2;6+7	Rast 07-C	5b,d30,d70

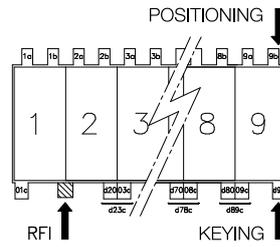
Rast5 connectors - 8 ways



	k=01	1+2;7+8		1a,1b,2a,3a,4b,5b,6a,6b,7b,8b,01c,d23c,d67c
	k=02	1+2;7+8	Rast 08-D	d23c,d67c
	k=03	4+5		d10,d20,d56c,d60
	k=04	1+2;3+4;5+6;7+8		1a,1b,2a,3a,4b,5b,6a,6b,7b,8b,01c,d23c,d67c
	k=05	2+3;7+8	Rast 08-C	8b,02c,d30,07c

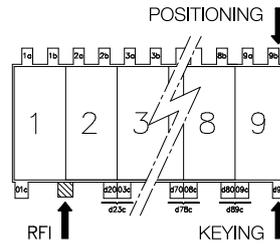
Keying

Rast5 connectors - 9 ways



	k=01	1+2;6+7		1b,2a,4b,5a,8b,9b,01c,d20,d78c
	k=02	5+6	Rast 09-A	1b,03c
	k=03	4+5	Rast 09-B	1b,03c,d60
	k=04	2+3;7+8	Rast 09-C	2b,5a,d80
	k=05	1+2;6+7	Rast 09-D	5b,d30,d70

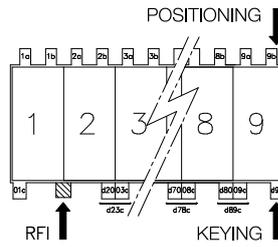
Rast5 connectors - 10 ways



	k=01	4+5;8+9		1b,03c,d100
	k=02	1+2;3+4;5+6;7+8;9+10		1b,3a,3b,4a,5a,6b,7b,8a,8b,9b,10b,01c,d23c,d45c,d89c
	k=03	5+6	Rast 10-A	1b,03c

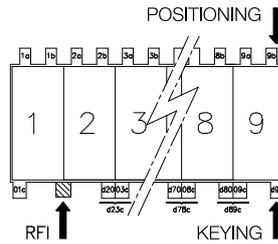
Keying

Rast5 connectors - 11 ways

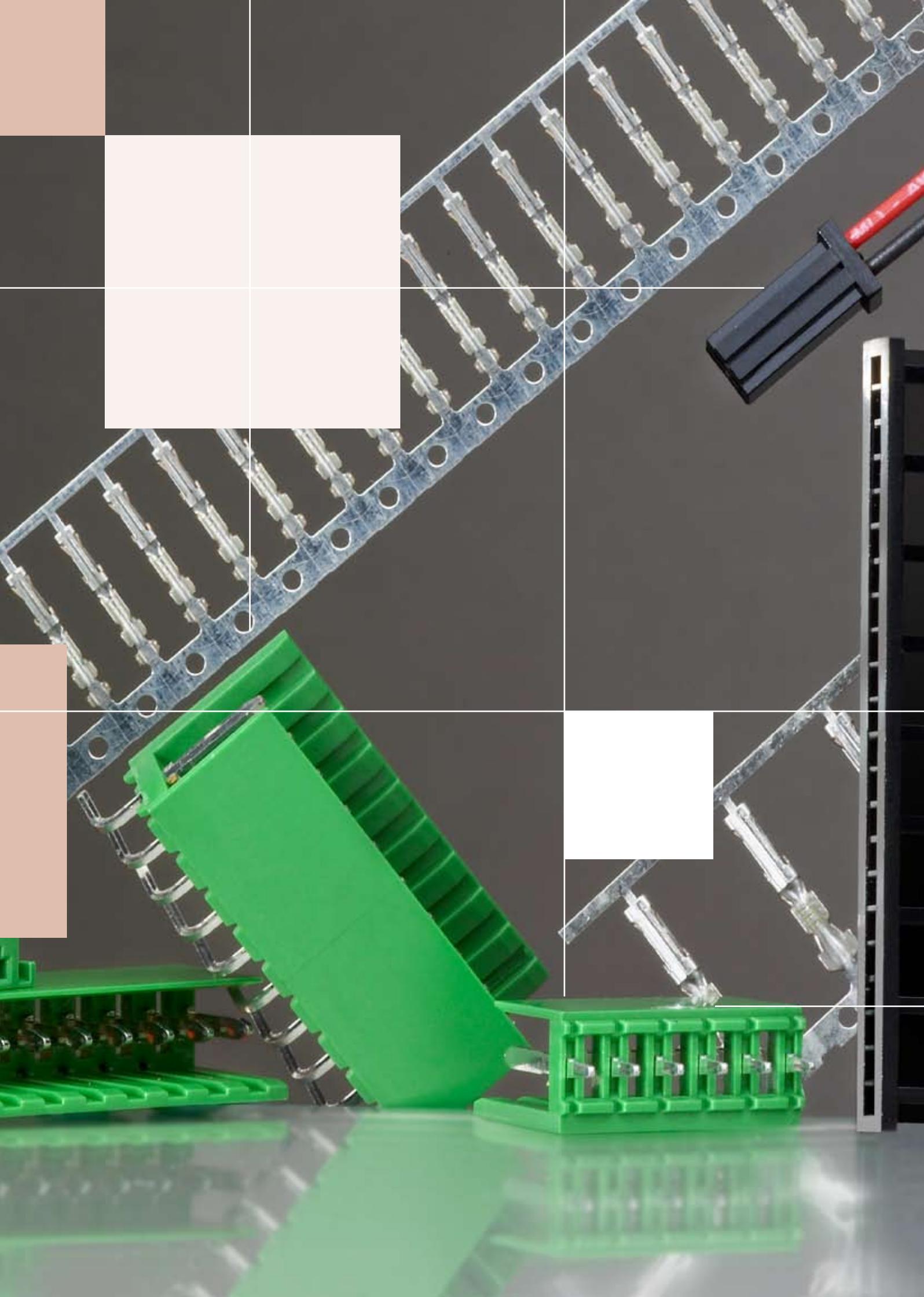


	k=01	5+6	Rast 11-A	1b,11b,03c
	k=02	3+4;8+9	Rast 11-B	1b,11b,03c,d90
	k=03	3+4;7+8	Rast 11-C	1b,03c,d90

Rast5 connectors - 12 ways



	k=01			01c,02c,05c,08c,d90,011c,d120
	k=02			01c,d10,d20,5/6,d70,d100,d120



UP-MOD

Terminals



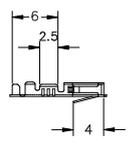
UP-MOD

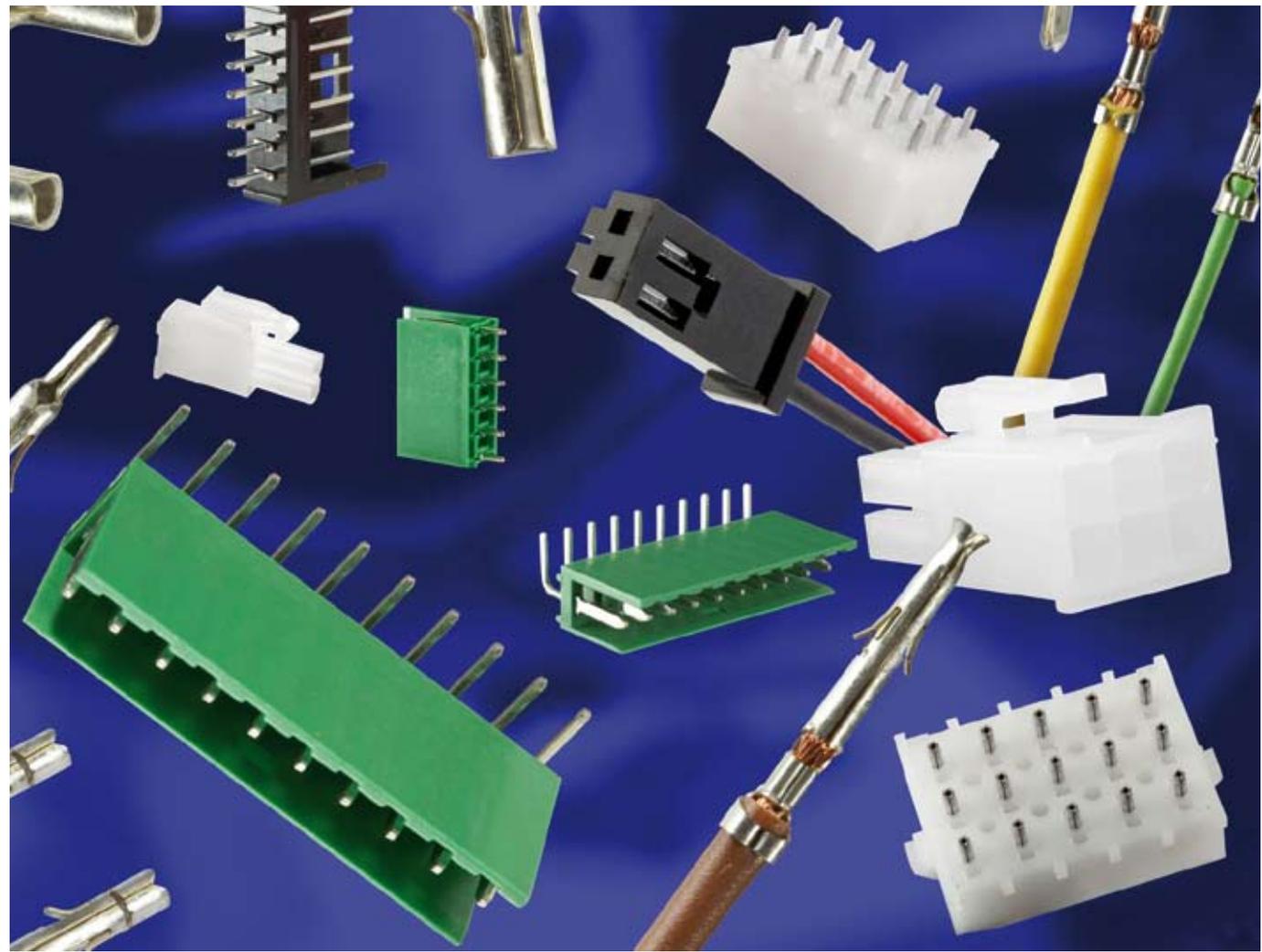
Centerline 2,54

receptacles for pin 0,63 mm x 0,63 mm

UP-MOD Terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,04-0,08	0,64-1,27		8704.					•			0,22	20.000
	0,13-0,32 (26-22)	0,9-1,55		8706.					•				



Centerline 2,54

receptacles for pin 0,63 mm x 0,63 mm

UP-MOD Terminals

2,54 Connectors

Figure	Part number	PC UL94V2	PCFV UL94-V0	Colour	Num.of ways
	2250215	•		Black	2
	2250415	•			4
	2250615	•			6
	2250815	•			8
	2251015	•			10
	2251215	•			12
	2252215	•			22
	2250915	•		Black	8 (4x2)
	2251615	•			16 (8x2)
	2252415	•			24 (12x2)
	2254415	•			44 (22x2)
	2240215	•		Black	2
	2240415	•			4
	2240815	•			8 (4x2)
	2241615	•			16 (8x2)
	2230215	•		Black	2
	2230415	•			4
	2230615	•			6
	2234215	•		Black	2
	2234415	•			4
	2234615	•			6

Centerline 3,96

receptacles for pin 0,8 mm x 1,6 mm

UP-MOD Terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,3-0,8 (22-18)	1,9-2,3		8708.					•			0,25	6.500
	0,5-1 (20-18)	2-2,8		8708H					•				
				8710.					•				

3,96 Connectors

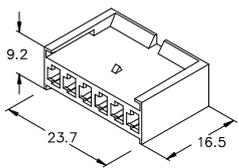
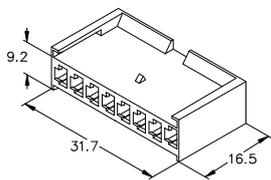
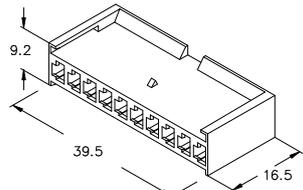
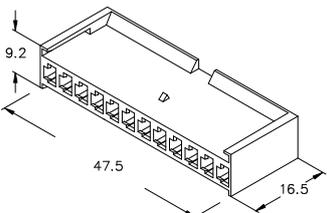
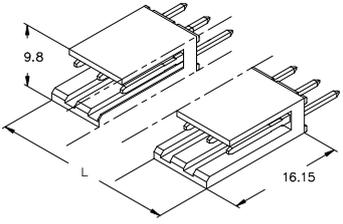
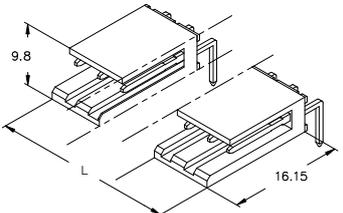
Figure	Part number	PC UL94V2	PCFV UL94-V0	Colour	Num.of ways
	2390214		•	Green	2
	2390414		•	Green	4

Centerline 3,96

receptacles for pin 0,8 mm x 1,6 mm

UP-MOD Terminals

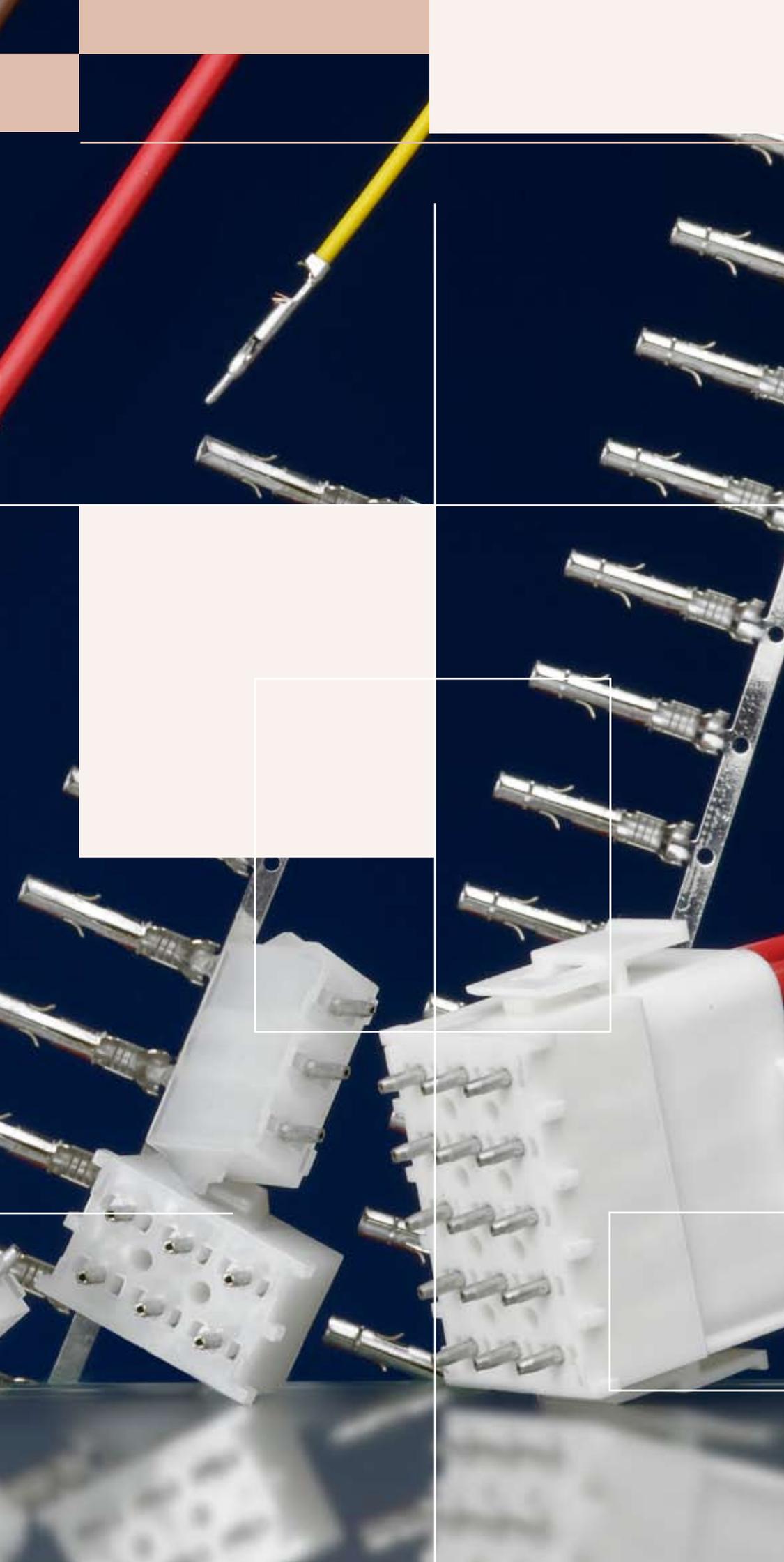
3,96 Connectors

Figure	Part number	PC UL94V2 PCFV UL94-V0	Colour	Num.of ways
	2390614	•	Green	6
	2390814	•	Green	8
	2391014	•	Green	10
	2391214	•	Green	12
	2400214	•	Green	2
	2400414	•		4
	2400614	•		6
	2400814	•		8
	2401014	•		10
	2401214	•		12
	2410214	•	Green	2
	2410414	•		4
	2410614	•		6
	2410814	•		8
	2411014	•		10
	2411214	•		12



UP-LOK

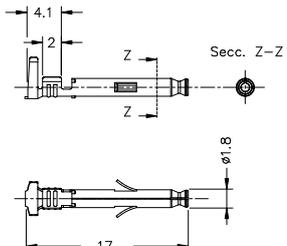
Terminals



UP-LOK

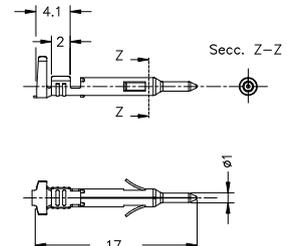
UP-LOK Terminals

Mini UP-LOK Ø 1mm receptacles

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,12-0,5 (26-20)	1,2-1,75	1	8540.	•				•			0,2	8.000
	0,3-0,9 (22-18)	1,5-2,8		8544.	•				•				5.500
	0,5-0,75 (20-18)	1,5-1,9		8542.	•				•				6.000



Mini UP-LOK Ø 1mm tabs

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,12-0,5 (26-20)	1,2-1,75	1	7540.	•				•			0,2	8.000
	0,3-0,9 (22-18)	1,5-2,8		7544.	•				•				5.500
	0,5-0,75 (20-18)	1,5-1,9		7542.	•				•				7.000



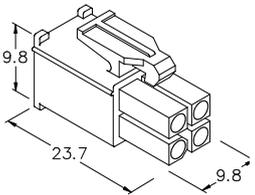
Mini UP-LOK connectors

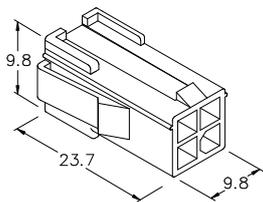
UP-LOK Terminals

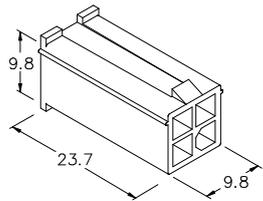
Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2203110	•				Natural	1
	2203130		•				
	2202110	•				Natural	1
	2202130		•				
	2203210	•				Natural	2
	2203230		•				
	2202210E	•				Natural	2
	2202230E		•				
	2202210	•				Natural	2
	2202230		•				
	2203310	•				Natural	3
	2203330		•				
	2202310E	•				Natural	3
	2202330E		•				
	2202310	•				Natural	3
	2202330		•				

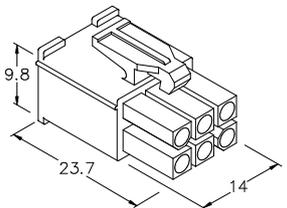
UP-LOK Terminals

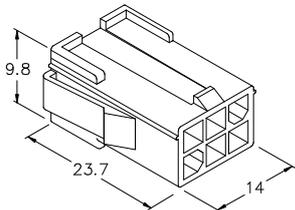
Mini UP-LOK connectors

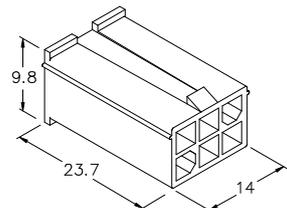
Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	2203410	•				Natural	4
	2203430		•				

	2202410E	•				Natural	4
	2202430E		•				

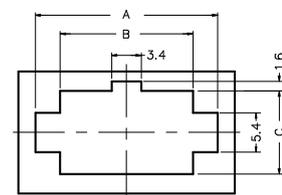
	2202410	•				Natural	4
	2202430		•				

	2203610	•				Natural	6
	2203630		•				

	2202610E	•				Natural	6
	2202630E		•				

	2202610	•				Natural	6
	2202630		•				

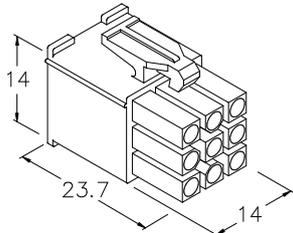
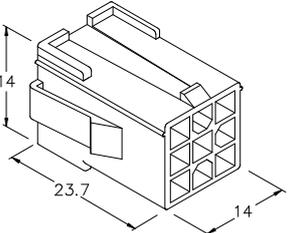
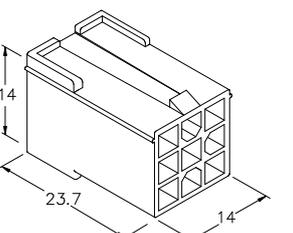
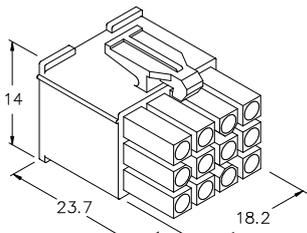
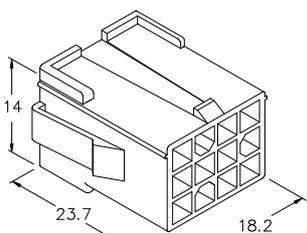
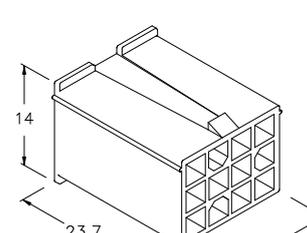
Panel Cutout



Num. of ways	A	B	C
2	10,70	6,15	10,35
3			14,55
4	14,90	10,35	10,35
6			
9	19,10	14,55	
12	23,30	18,75	14,55
15	27,45	22,95	

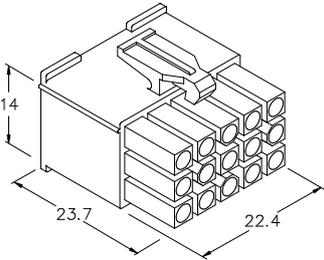
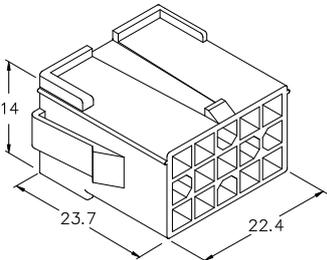
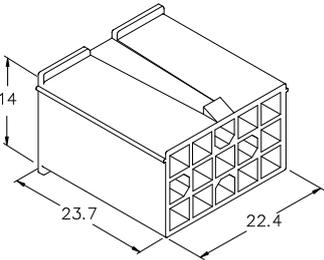
Mini UP-LOK connectors

UP-LOK Terminals

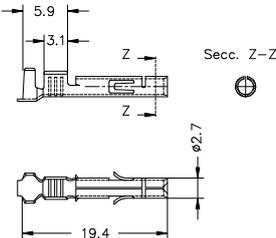
Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2203910		•			Natural	9
	2203930			•			
	2202910E		•			Natural	9
	2202930E			•			
	2202910		•			Natural	9
	2202930			•			
	2209210		•			Natural	12
	2209230			•			
	2208210E		•			Natural	12
	2208230E			•			
	2208210		•			Natural	12
	2208230			•			

UP-LOK Terminals

Mini UP-LOK connectors

Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	2209510	•				Natural	15
	2209530		•				
	2208510E	•				Natural	15
	2208530E		•				
	2208510	•				Natural	15
	2208530		•				

UP-LOK Ø 2,12mm receptacles

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,25-0,8 (24-18)	1-2,5	2,12	8520.	•				•			0,3	6.500
	0,5-2,1 (20-14)	1,5-3,3		8522.	•				•				6.000



UP-LOK Terminals

UP-LOK Ø 2,12mm tabs



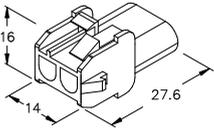
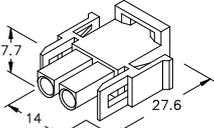
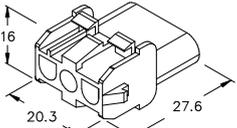
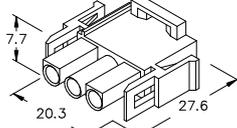
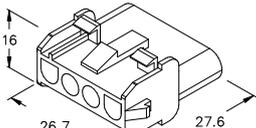
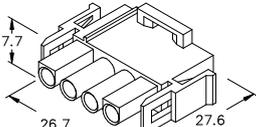
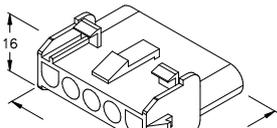
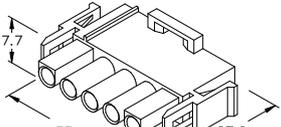
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,25-0,8 (24-18)	1-2,5	2,12	7520.		•			•			0,3	7.000
	0,5-2,1 (20-14)	1,5-3,3		7522.		•			•				6.000
	0,25-0,8 (24-18)	1-2,5	2,12	7524.		•			•			0,3	7.500
	0,5-2,1 (20-14)	1,5-3,3		7526.		•			•				6.000

UP-LOK connectors

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2214110		•			Natural	1
	2214110-S		•				
	2215110		•			Natural	1
	2215110-S		•				

UP-LOK connectors

UP-LOK Terminals

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2214210	•				Natural	2
	2214210-S	•					
	2215210	•				Natural	2
	2215210-S	•					
	2214310	•				Natural	3
	2214310-S	•					
	2215310	•				Natural	3
	2215310-S	•					
	2214410	•				Natural	4
	2214410-S	•					
	2215410	•				Natural	4
	2215410-S	•					
	2214710	•				Natural	5
	2214710-S	•					
	2215710	•				Natural	5
	2215710-S	•					

Part numbers ending with 'S' precharged seal following fig. 15

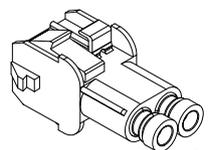
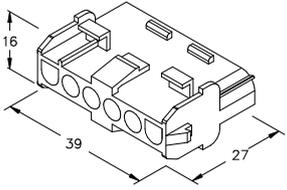
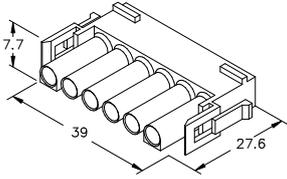
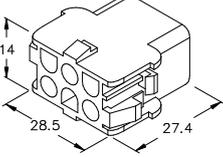
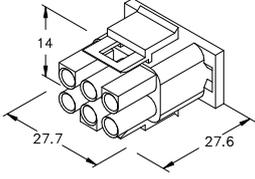
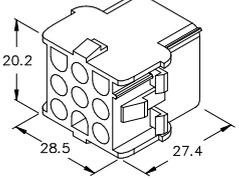
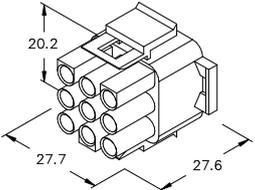
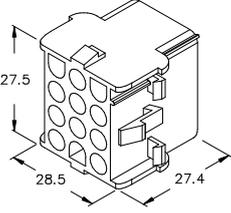


Fig.15

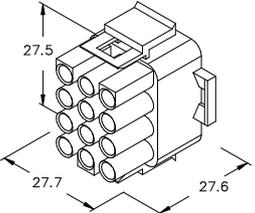
UP-LOK connectors

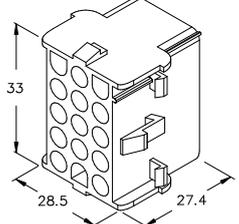
UP-LOK Terminals

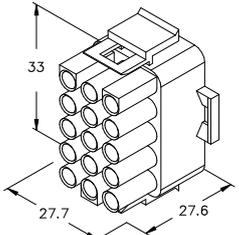
Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2214610	•				Natural	6
	2214610-S	•					
	2215610	•				Natural	6
	2215610-S	•					
	2214510	•				Natural	6 (3x2)
	2214510-S	•					
	2215510	•				Natural	6 (3x2)
	2215510-S	•					
	2214910	•				Natural	9 (3x3)
	2214910-S	•					
	2215910	•				Natural	9 (3x3)
	2215910-S	•					
	2216210	•				Natural	12 (3x4)
	2216210-S	•					

UP-LOK connectors

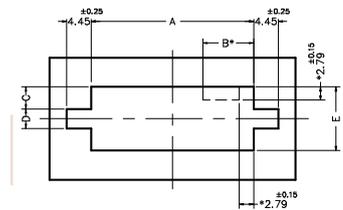
UP-LOK Terminals

Figure	Part number	Material			Colour	Num. of ways
		Polyethylene	PA66 V2	PA66 V0		
	2217210	•			Natural	12 (3X4)
	2217210-S	•				

	2216510	•			Natural	15 (3X5)
	2216510-S	•				

	2217510	•			Natural	15 (3X5)
	2217510-S	•				

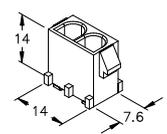
Panel Cutout

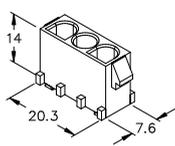


Num. of ways	A ±0,13	B* ±0,25	C ±0,25	D ±0,25	E ±0,13
2	14,35				
3	20,70	6,35	2,41	8,64	13,65
4	27,05				
5	33,40				
6	14,35				
9	20,70	8,89	6,98	12,19	26,30
12	27,05				
15	33,40				

*Optional

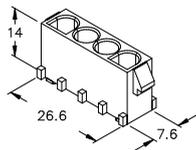
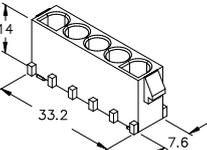
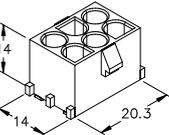
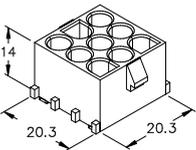
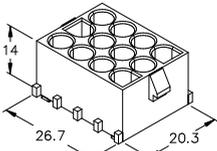
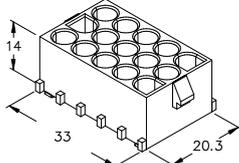
PCB UP-LOK connectors

Figure	Part number	Material			Colour	Num. of ways
		Polyethylene	PA66 V2	PA66 V0		
	2210210 ⁽¹⁾	•			Natural	2
	2211210 ⁽²⁾	•				

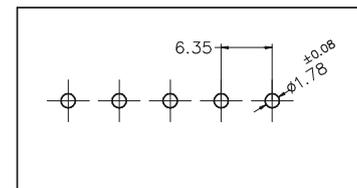
	2210310 ⁽¹⁾	•			Natural	3
	2211310 ⁽²⁾	•				

PCB UP-LOK connectors

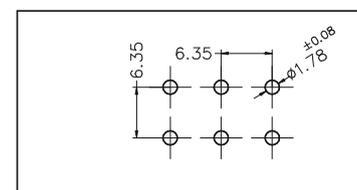
UP-LOK Terminals

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2210410 ⁽¹⁾		•			Natural	4
	2211410 ⁽²⁾		•				
	2210510 ⁽¹⁾		•			Natural	5
	2211510 ⁽²⁾		•				
	2210610 ⁽¹⁾		•			Natural	6
	2211610 ⁽²⁾		•				
	2210910 ⁽¹⁾		•			Natural	9
	2211910 ⁽²⁾		•				
	2212210 ⁽¹⁾		•			Natural	12
	2213210 ⁽²⁾		•				
	2212510 ⁽¹⁾		•			Natural	15
	2213510 ⁽²⁾		•				

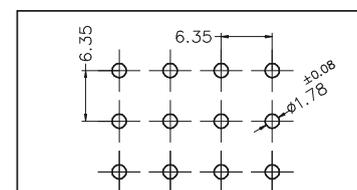
PCB standard configuration



2-5 ways



6 ways



9-15 ways

⁽¹⁾ Loaded with female terminal

⁽²⁾ Loaded with male terminal

* Ask about other colours

UP-LOK Terminals

UP-LOK connectors elements

Central seal joint for 2 ways mini UP-LOK connectors

Figure	Part number	TPE	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2000997	•				Black	

Rear seal for mini UP-LOK connectors

Figure	Part number	PVC	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2000996	•				Natural	2

Central seal joint for UP-LOK connectors

Figure	Part number	TPE	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2000902	•				Black	2
	2000903	•				Black	3
	2000904	•				Black	4
	2000906	•				Black	6

UP-LOK connectors elements

UP-LOK Terminals

Rear seal for UP-LOK connectors

Figure	Part number	TPV	PVC	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2000998	•					Natural	2
	2000995	•					Black	1

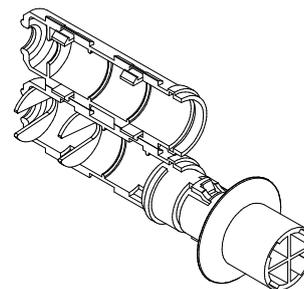
UP-LOK rear protection boxes

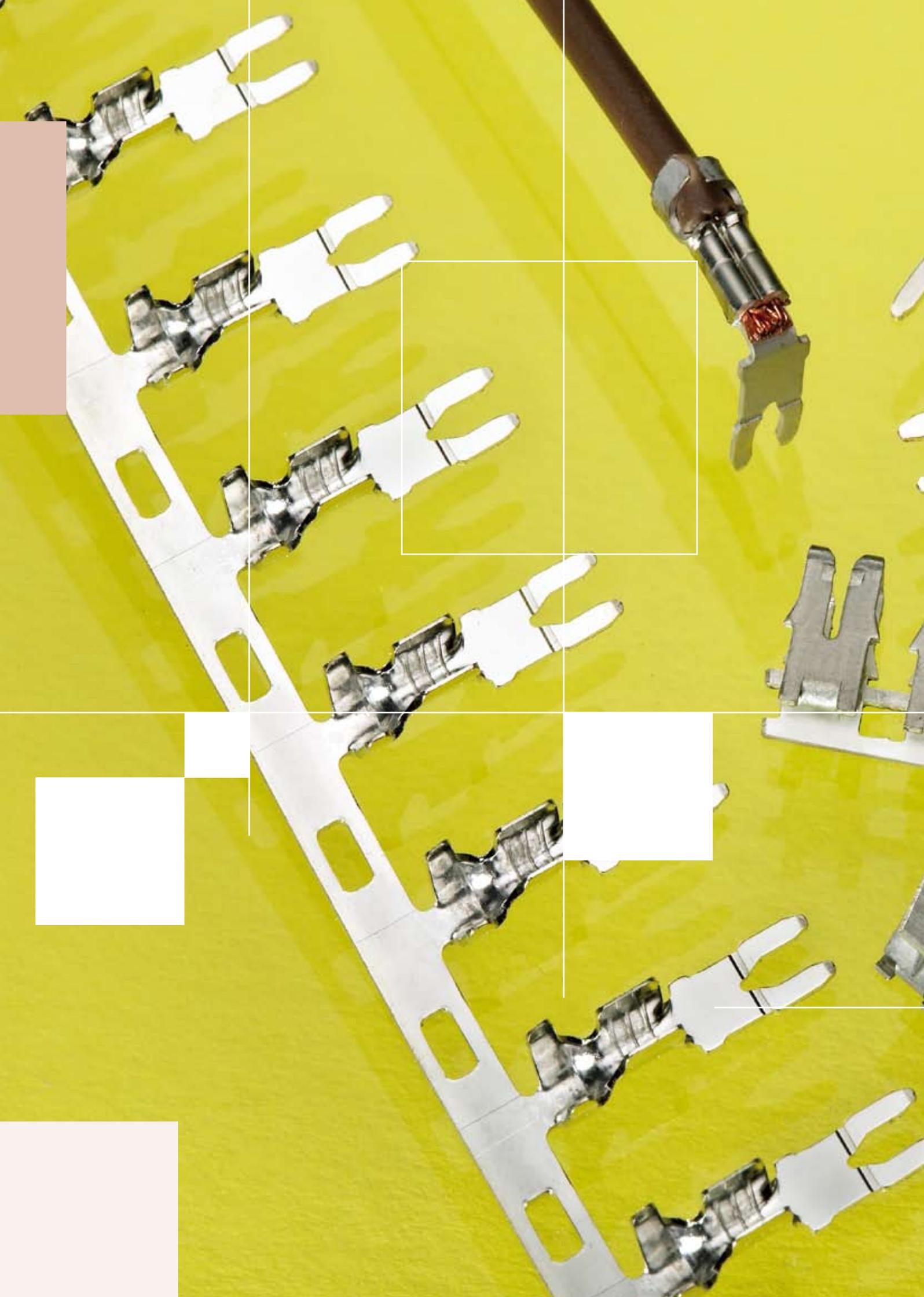
Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	221T300		•			Natural	3
	221T330			•			

Compressor harness-refrigerator harness interface

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways	
	2217610		•			Natural	4	
	2217630			•				
	2217640				•			
	2217645				•			Black
	2217710		•			Natural	4	
	2217730			•				
	2217740				•			Black
	2217745				•			
	2217810		•			Natural		
	2217830			•				
	2217840				•			Black
	2217845				•			

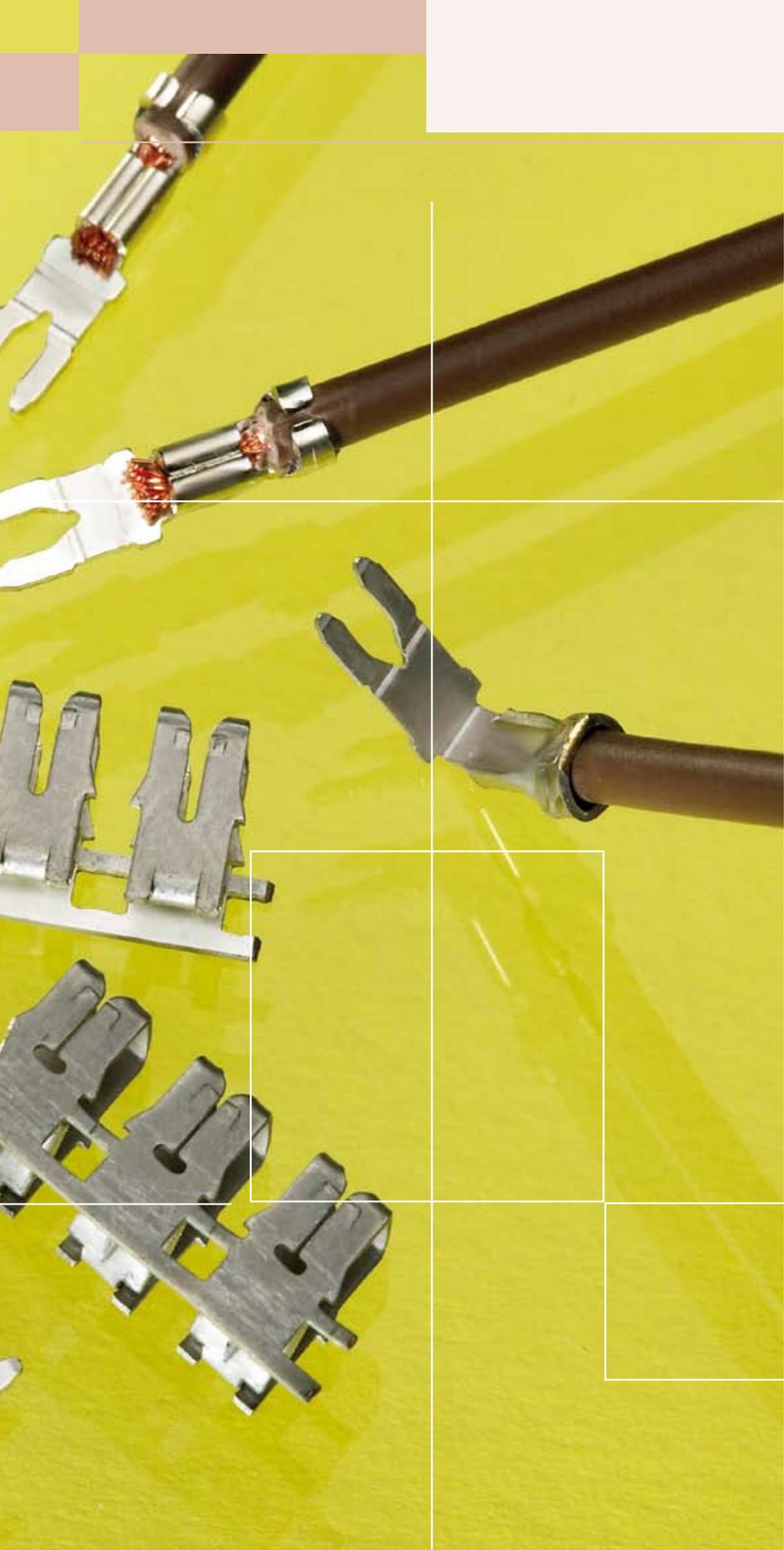
Assembly





UP-MATE

Terminals



UP-MATE

Receptacles

UP-MATE Terminals



Figure	Ø Wire (mm)	Ø Insulation (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
	0,25-0,35		6900.			•					0,32	14.000
	0,18-0,23		6901.			•					0,32	14.000
	0,65-0,8		6902.			•					0,4	14.000
	0,8-1,2		6904.			•					0,4	14.000
	0,36-0,57		6906.			•					0,4	14.000
	0,45-0,65		6908.			•					0,4	14.000

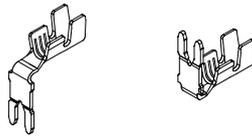
Tabs

UP-MATE Terminals



Figure	Sec. Wire mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,3-0,9 (22-18)	1,5-2,5	3870.	•	•	•					0,5	9.000
	0,8-2 (18-14)	2,3-3,6	3871.	•	•	•						
	0,3-0,9 (22-18)	1,5-2,5	3874.	•	•	•					0,5	9.000
	0,8-2 (18-14)	2,3-3,6	3873.	•	•	•						

Applicator bending

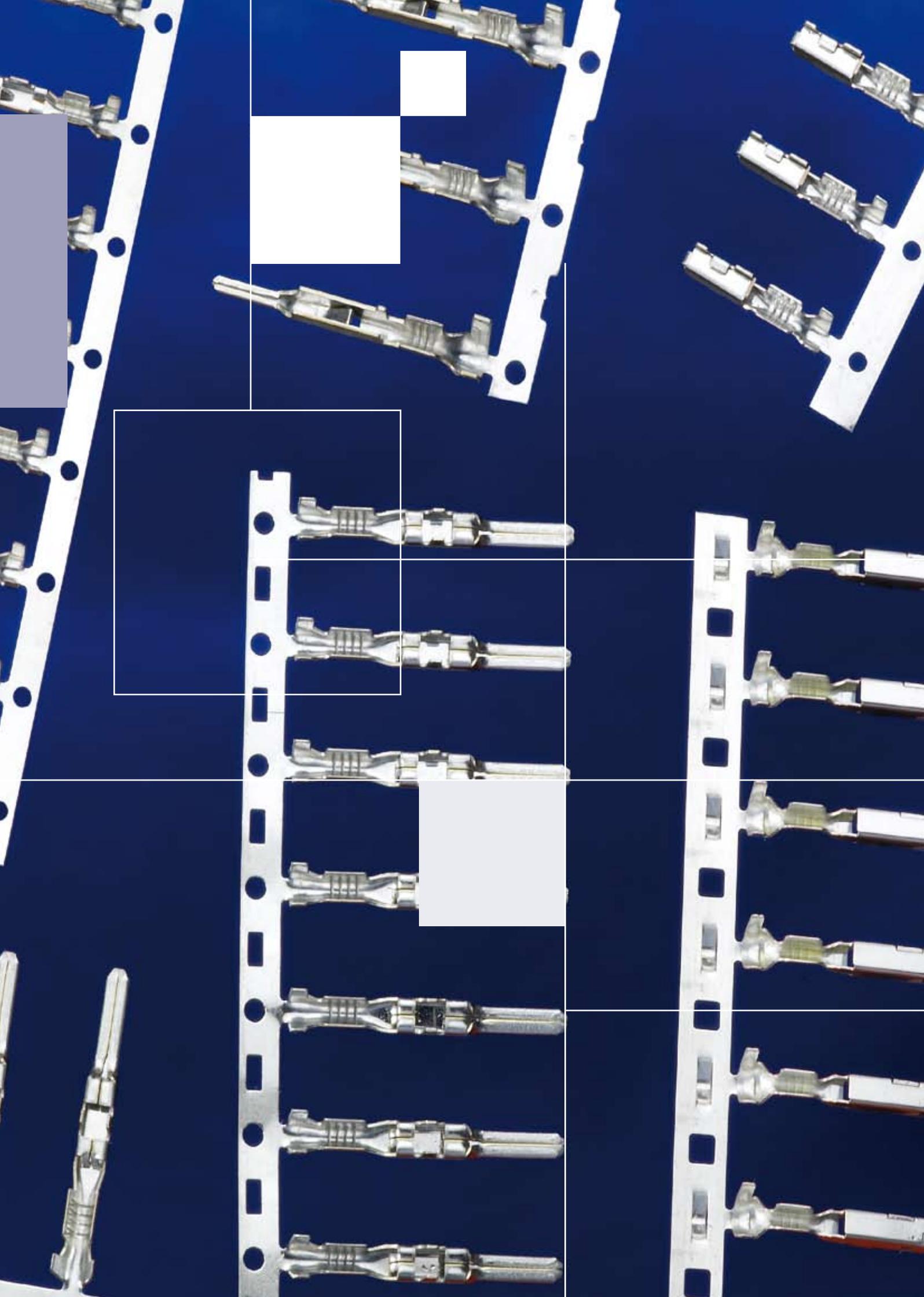


Side locking connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	R565310-k		•			Natural	3
	R565330-k			•			
	R565340-k				•		
	R565370-k	•					
	R565510-k		•			Natural	5
	R565530-k			•			
	R565540-k				•		
	R565570-k	•					
	R565610-k		•			Natural	6
	R565630-k			•			
	R565640-k				•		
	R565670-k	•					
	R565810-k		•			Natural	8
	R565830-k			•			
	R565840-k				•		
	R565870-k	•					

Back locking connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	R566810-k		•			Natural	8
	R566830-k			•			
	R566840-k				•		
	R566870-k	•					
	R5661010-k		•			Natural	10
	R5661030-k			•			
	R5661040-k				•		
	R5661070-k	•					
	R5631010-k		•			Natural	10
	R5631030-k			•			
	R5631040-k				•		
	R5631070-k	•					
	R5621010-k		•			Natural	10
	R5621030-k			•			
	R5621040-k				•		
	R5621070-k	•					



1,5 (.060) Type series
2,3 (.090) Type series

Terminals

1,5 (.060) Type series
2,3 (.090) Type series

Receptacles

1,5 (.060) Type series terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
	One key													
	= < 0,5 (= < 20)	= < 1,6	1,6x0,8	4487.	•	•		•	•			0,25	9.000	
0,75-1,25 (18-16)	= < 2,4	4489.		•	•		•	•			6.000			

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
	Two keys													
	= < 0,5 (= < 20)	= < 1,6	1,6x0,8	4491.	•	•		•	•			0,25	9.000	
0,75-1,25 (18-16)	= < 2,4	4493.		•	•		•	•			6.000			



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Cu. Alloy Pre-Sn	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	81			
	Standard insulation													
	0,35-0,5 (22-20)	STD	1,5x0,8	8681.							•	0,25	6.000	
	0,5-1 (20-18)			8683.							•		5.000	
1-1,5 (18-16)	8685.										•			

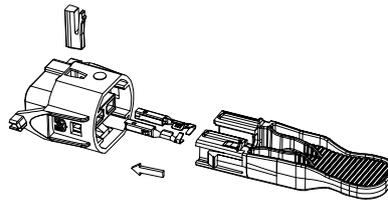
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Cu. Alloy Pre-Sn	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	81			
	SEAL insulation													
	0,35-0,5 (22-20)	SEAL	1,5x0,8	8677.							•	0,25	5.000	
0,75-1 (18)	8679.									•				

Receptacles

1,5 (.060) Type series terminals



Figure	Part number	Material				Colour	Num. of ways
		PBT GF20	PA66 V2	PA66 V0	NO FLAME		
	2155095	•				Black	2
	2155115	•				Grey	
	2155298	•				Grey	



Special receptacles

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,5-0,75 (20-18)	1,5-1,9		8621.				•	•			0,25	6.500
	0,75-1 (18)			8623.				•	•				
	1-1,5 (18-16)			8625.				•	•				
	0,5-0,75 (20-18)	3,4 SEAL		8601.				•	•			0,25	4.000
	1-1,5 (18-16)			8603.				•	•				
	0,5-0,75 (20-18)	3,4 SEAL		8601.				•	•			0,25	4.000
	1-1,5 (18-16)			8603.					•	•			



Special receptacles

1,5 (.060) Type series terminals

Figura	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-0,75 (20-18)	1,5-1,9	0,8	8627.					•			0,25	5.500
	0,75-1 (18)	1,9-2,4		8629.					•				5.000
	1-1,5 (18-16)			8631.					•				
	0,5-1 (20-18)	1,5-2,1	0,8	8633.					•			0,25	8.000
	1,5-1,75 (16-14)	1,9-2,4		8607.					•				6.500
	2,5 (14)			8609.					•				6.000



Tabs



Figura	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	= < 0,5 (= < 20)	= < 1,6	0,8	6487.	•	•		•	•			0,25	9.000
	0,75-1,25 (18-16)	= < 2,4		6489.	•	•		•	•				6.000
	0,75-1 (18)	2,2 Máx.	0,8	6486.	•	•			•			0,4	5.500
	1,5 (16)			6488.	•	•			•				3.500
	0,75-1 (18)	3,4 SEAL	0,8	6490.	•	•			•			0,4	3.500
	1,5 (16)			6491.	•	•			•				





Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Cu. Alloy Pre-Sn	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	51			
	0,35-0,5 (22-20)	STD	1,5x0,8	6481.							•	0,3	7.000	
	0,5-1 (20-18)			6483.									•	6.000
	0,5-1,5 (20-16)			6485.										•
	0,35-0,5 (22-20)	SEAL	1,5x0,8	6477.							•	0,3	5.000	
	0,75-1 (18)			6479.										•



Receptacles

2,3 (.090) Type series terminals



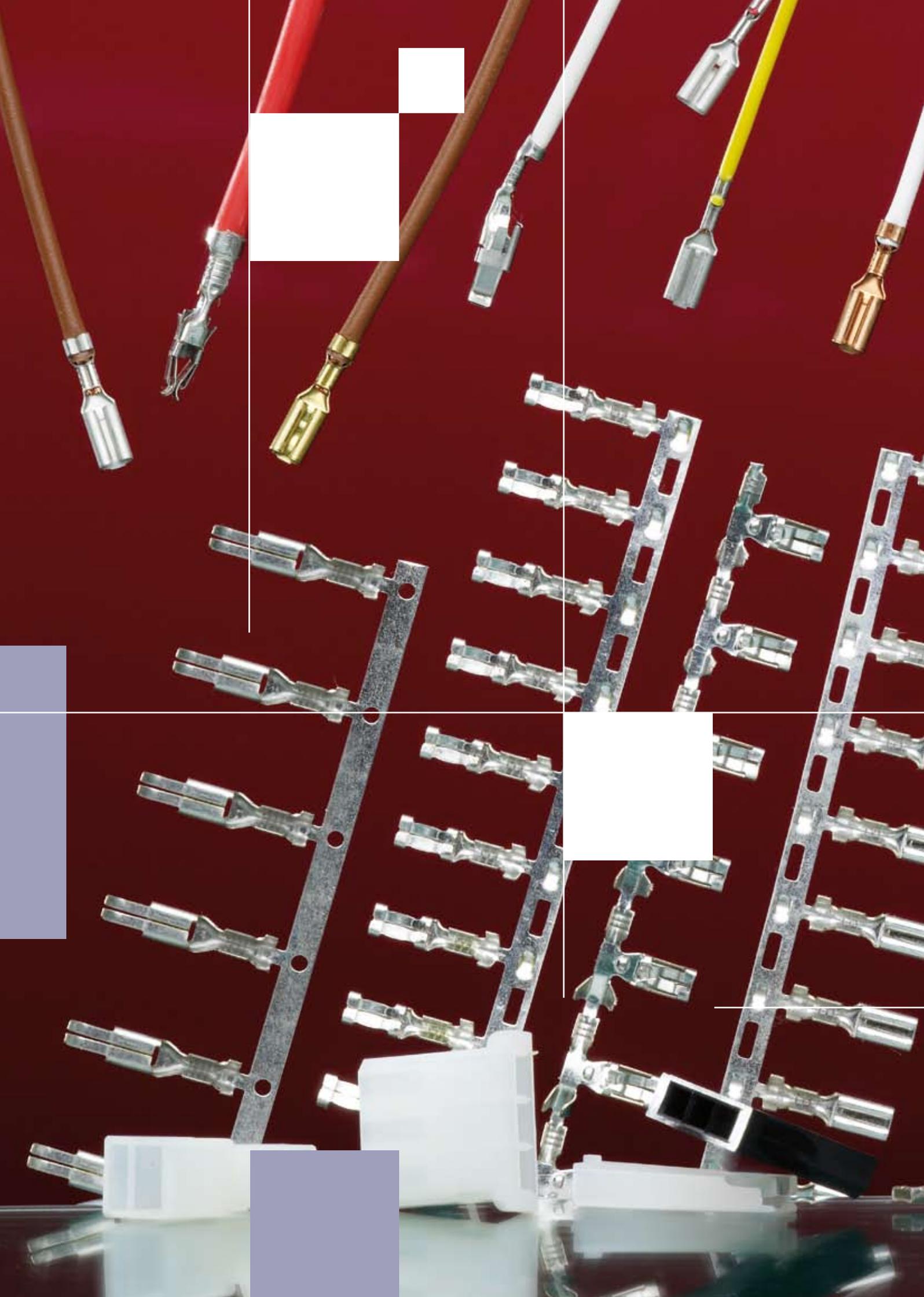
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-0,85 (20-18)	1,4-2,1	2,3x0,65	4450.	•	•		•	•			0,25	8.000
	1-2 (18-14)	2,1-2,7		4458.	•	•		•	•				
	0,5-1,25 (20-16)	3 SEAL	2,3x0,65	4452.	•	•		•	•			0,25	7.000

Tabs

2,3 (.090) Type series terminals

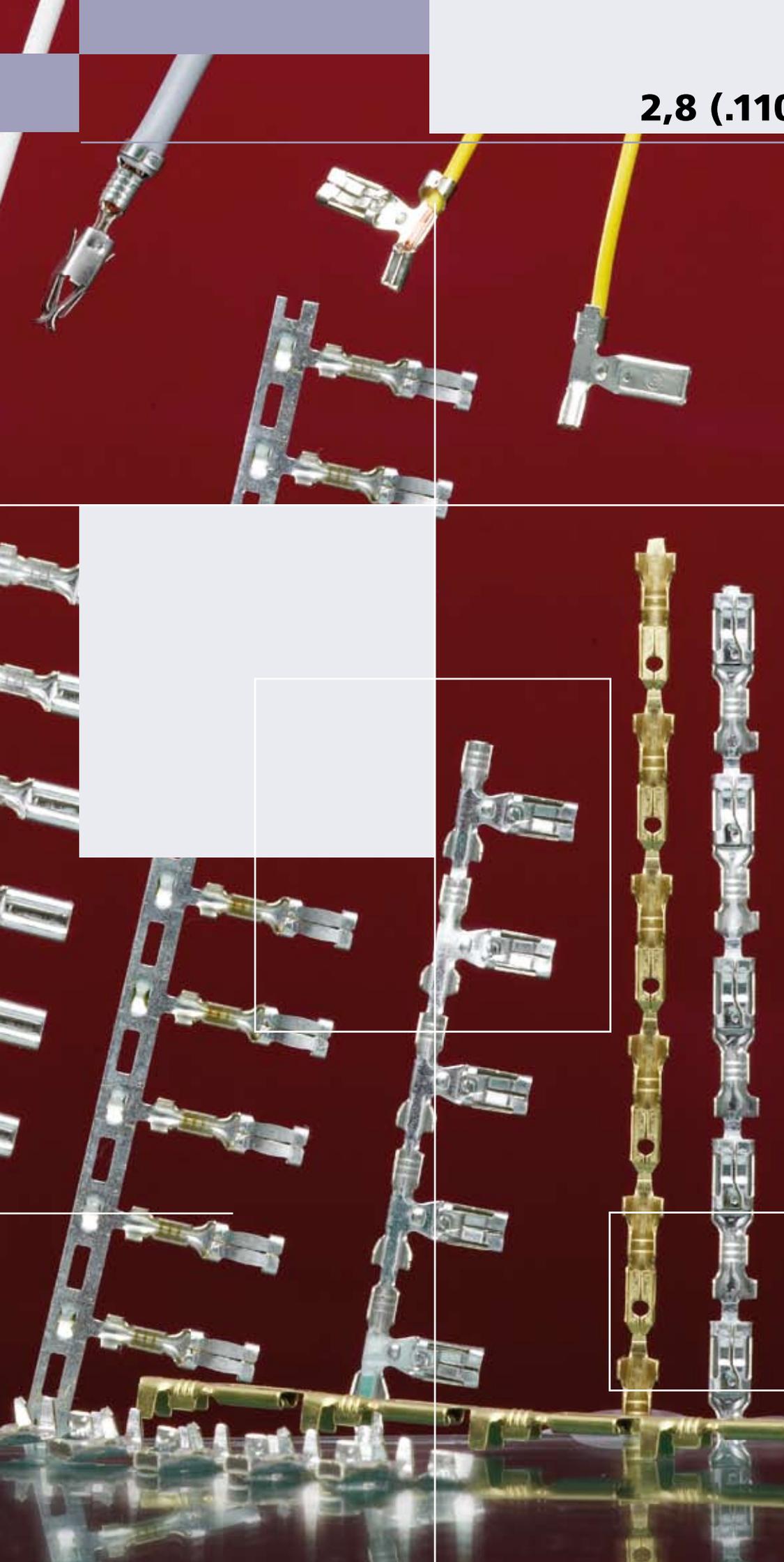


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-0,85 (20-18)	1,4-2,1	0,65	6450.	•	•		•	•			0,3	8.000
	1-2 (18-14)	2,1-2,7		6458.	•	•		•	•				
	0,5-1,25 (20-16)	3 SEAL	0,65	6452.	•	•		•	•			0,3	7.000
		0,5-1 (20-18)	1,8-2,5	0,65	6454.		•			•			0,3
1-2 (18-14)	2-4	6455.			•			•				4.000	



2,8 (.110) Type series

Terminals



2,8 (.110) Type series

Receptacles

2,8 (.110) Type series terminals



For standard tab. Rear dimple

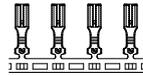


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,1-0,3 (26-22)	1-1,8	2,8x0,3	4400.	•		•	•		•		0,25	15.000
			2,8x0,5	4402.	•		•	•		•			
			2,8x0,8	4404.	•		•	•		•			
	0,5-1 (20-18)	1,8-2,5	2,8x0,3	4406.	•		•	•		•			
			2,8x0,5	4408.	•		•	•		•			
			2,8x0,8	4410.	•		•	•		•			

End feed receptacles



Side feed receptacles



See page 12

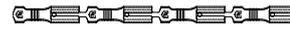


For DIN tab terminals

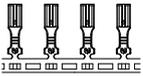


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part Number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,1-0,3 (26-22)	1-1,8	2,8x0,3	4400D	•		•	•		•		0,25	15.000
			2,8x0,5	4402D*	•		•	•		•			
			2,8x0,8	4404D*	•		•	•		•			
	0,5-1 (20-18)	1,8-2,5	2,8x0,3	4406D	•		•	•		•			
			2,8x0,5	4408D*	•		•	•		•			
			2,8x0,8	4410D*	•		•	•		•			

End feed receptacles



Side feed receptacles



See page 12

* DIN 46247

Receptacles

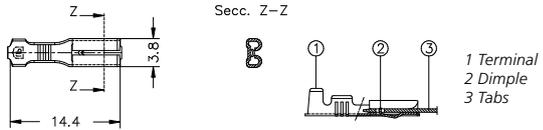
2,8 (.110) Type series terminals



Unlockable



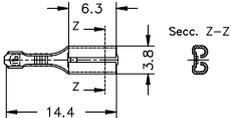
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
	0,1-0,3 (26-22)	1-1,8	2,8x0,5	4503.	•		•	•		•		0,25	15.000	
			2,8x0,8	4511.	•		•	•		•				
	0,5-1 (20-18)	1,8-2,5	2,8x0,5	4508.	•		•				•			0,3
			2,8x0,8	4509.	•		•				•			



Low insertion based on standard design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,1-0,3 (26-22)	1-1,8	2,8x0,3	4800.	•		•	•		•		0,25	15.000
			2,8x0,5	4802.	•		•	•		•			
			2,8x0,8	4804.	•		•	•		•			
	0,5-1 (20-18)	1,8-2,5	2,8x0,3	4806.	•		•			•			



Receptacle housings

Figure	Part number	Polyethylene				Colour
		PA66 V2	PA66 V0	NO FLAME		
	2282000	•				Natural
	2282010		•			
	2282040				•	
	2281010		•			Natural
	2281030			•		
	2281040				•	

UL See page 13

Receptacles

2,8 (.110) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2281110	•				Natural
	2281130		•			
	2281140			•		
	2281210	•				Natural
	2281230		•			
	2281240			•		

UL See page 13



Low insertion

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-3,3	2,8x0,5	4809.	•	•		•	•		•	0,3	15.000
			2,8x0,8	4811.	•	•		•	•		•		

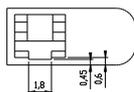
UL See page 12



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2281410		•			Natural
	2281440			•		
	2281610		•			Natural
	2281640			•		
	2281510		•			Natural
	2281540			•		

Special car-lighting



Receptacles

2,8 (.110) Type series terminals



Special low insertion side feed receptacle



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,3-0,6 (22-20)	1,5-2 FLR	2,8x0,5	4504.	•	•		•	•			0,3	10.000
			2,8x0,8	4505.	•	•		•	•				
	0,5-1 (20-18)	1,8-2,5	2,8x0,5	4506.	•	•		•	•				7.000
			2,8x0,8	4507.	•	•		•	•				



Receptacle connectors

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2284210		•			Natural	3
	2284230			•			
	2284240				•		
	2284245				•		

Special low insertion side feed mini receptacle



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,5 (24-20)	1,8 Máx.	2,8x0,5	4900.	•	•		•	•			0,3	8.000
				4902.	•	•		•	•				
	0,2-0,5 (24-20)	1,8 Máx.	2,8x0,5	4901.	•	•		•	•			0,3	8.000
				4903.	•	•		•	•				

Receptacles for connector

2,8 (.110) Type series terminals



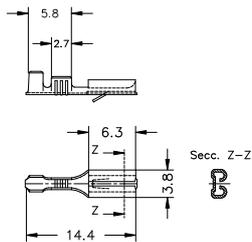
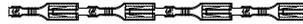
Standard terminals

00	01	02	30	31	32	24
Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
--------	---------------------------------	-------------------	--------------------	-------------	----	----	----	----	----	----	----	-------------------------	--------------

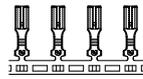
End feed receptacles



0,1-0,3 (26-22)	1-1,8	2,8x0,3	4300.	•		•	•		•			0,25	15.000
		2,8x0,5	4302.*	•		•	•		•				
		2,8x0,8	4304.*	•		•	•		•				
0,5-1 (20-18)	1,8-2,5	2,8x0,3	4306.	•		•	•		•				
		2,8x0,5	4308.*	•		•	•		•				
		2,8x0,8	4310.*	•		•	•		•				

* DIN 46340

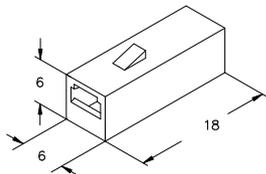
Side feed receptacles



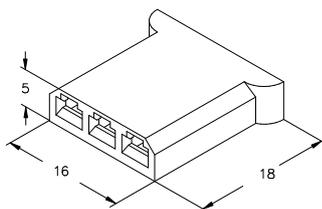
0,3-0,6 (22-20)	1,5-2 FLR	2,8x0,5	4105.	•	•		•	•				0,3	8.000
		2,8x0,8	4106.	•	•		•	•					
0,5-1 (20-18)	1,8-2,5	2,8x0,5	4107.	•	•		•	•					7.000
		2,8x0,8	4108.	•	•		•	•					

Connectors

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
--------	-------------	--------------	---------	---------	----------	--------	--------------



2285010	•					Natural	1
2285030		•					
2285040				•			



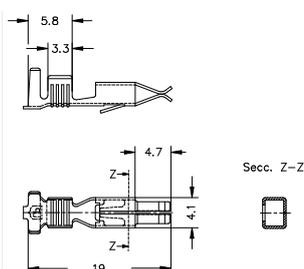
2284310	•					Natural	3
2284330		•					
2284340				•			



00	01	02	30	31	32	24
Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
--------	---------------------------------	-------------------	--------------------	-------------	----	----	----	----	----	----	----	-------------------------	--------------

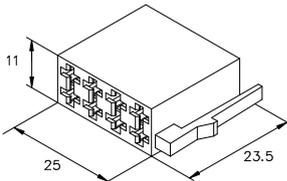


0,5-1 (20-18)	1,5-2 FLR	SEAL 3,4	2,8x0,8	8400.		•			•			0,32	5.000
				8401.				•			3.500		
1-1,5 (18-16)	1,9-2,4	SEAL 3,4		8402.		•			•				4.500
				8403.		•			•		3.500		
1-2,5 (18-14)	2,4-3,6			8407.		•			•				4.000
1,5-2,5 (16-14)	3-4,3			8404.		•			•				
2-3 (14-12)			8405.		•			•					

Receptacles for connector

2,8 (.110) Type series terminals

Connectors

Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 VZ	PA66 V0	NO FLAME			
	2100915	•			Black	8	
		Left polarization					

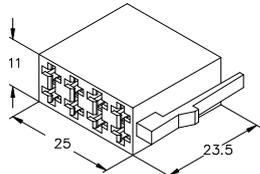
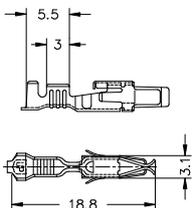
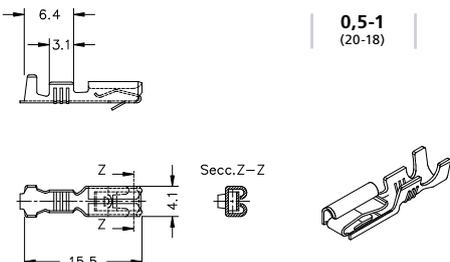
	2100917	•			Brown	8	
		Central polarization					



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	41	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	CuFe Pre-Sn		
	0,5-1 (20-18)	1,4-2,3	2,8x0,8	9301.					•		•	0,32	5.000
	1-2,5 (18-14)	2,1-3,1		9305.					•		•		4.000



Motorbike terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,5-1 (20-18)	1,5-2,1	2,8x0,5	4303.	•	•						0,25	5.000

Flags

2,8 (.110) Type series terminals



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
For standard tab. Rear Dimple													
	0,1-0,3 (26-22)	1-1,8	2,8x0,5	5402.	•	•		•	•			0,3	10.000
			2,8x0,8	5404.	•	•		•	•				
	0,5-1 (20-18)	1,8-2,5	2,8x0,5	5408.	•	•		•	•				
			2,8x0,8	5410.	•	•		•	•				
For DIN tab terminals													
	0,1-0,3 (26-22)	1-1,8	2,8x0,5	5402D	•	•		•	•			0,3	10.000
			2,8x0,8	5404D	•	•		•	•				
	0,5-1 (20-18)	1,8-2,5	2,8x0,5	5408D	•	•		•	•				
			2,8x0,8	5410D	•	•		•	•				
See page 12													



Flag housings

Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	2283310	•				Natural	1
	2283330		•				
	2283340			•			
	2283210	•				Natural	2
	2283230		•				
	2283240			•			

Short tabs

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,5 (24-20)	1,4-2,1	0,8	6507.	•	•		•	•			0,4	12.000
	0,5-1 (20-18)	1,8-3,3		6508.	•	•		•	•				



Flag tabs 2,8X0,8

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,5 (24-20)	1,4-2,1	0,8	6509.	•	•		•	•			0,4	6.500
	0,5-1 (20-18)	1,8-3,3		6509E	•	•		•	•				



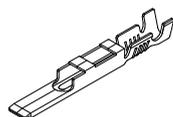
Flag tabs 2,5X0,5

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,35 (24-22)	1-1,8	2,5x0,5	6451.		•						0,25	10.000



Car-tabs

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,35-1 (22-18)	1,3-2	0,8	6503.		•			•			0,32	7.000
	1-3 (18-12)	2-3,2		6505.		•			•				



2,8 (.110) Type series terminals

Tabs for connector



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	WITH hole and WITH side stops												
	0,5-1 (20-18)	1,4-2,3	0,8	6407.	•	•		•	•			0,4	5.000
2,3-3,3		•			•		•	•					
	WITHOUT hole and WITH side stops												
	0,5-1 (20-18)	1,4-2,3	0,8	6400.	•	•		•	•			0,4	5.000
		2,3-3,3			•	•		•	•				
		3,4 SEAL			•	•		•	•				
	1-2,5 (18-14)	1,8-2,9	6408.	•	•		•	•			4.000		
1-3 (18-12)	3-4,3	6410.		•	•		•	•				3.500	
	WITH hole and WITHOUT side stops												
	0,5-1 (20-18)	2,3-3,3	0,8	6401.	•	•		•	•			0,4	5.000
	WITHOUT hole and WITHOUT side stops												
	0,3-0,6 (22-20)	1,4-2,3	0,8	6402E	•	•		•	•			0,4	5.000
	0,5-1 (20-18)	2,3-3,3			•	•		•	•				
	1-2,5 (18-14)	1,8-2,9			6408E	•	•		•	•			

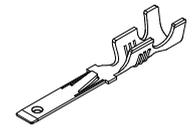
Connectors

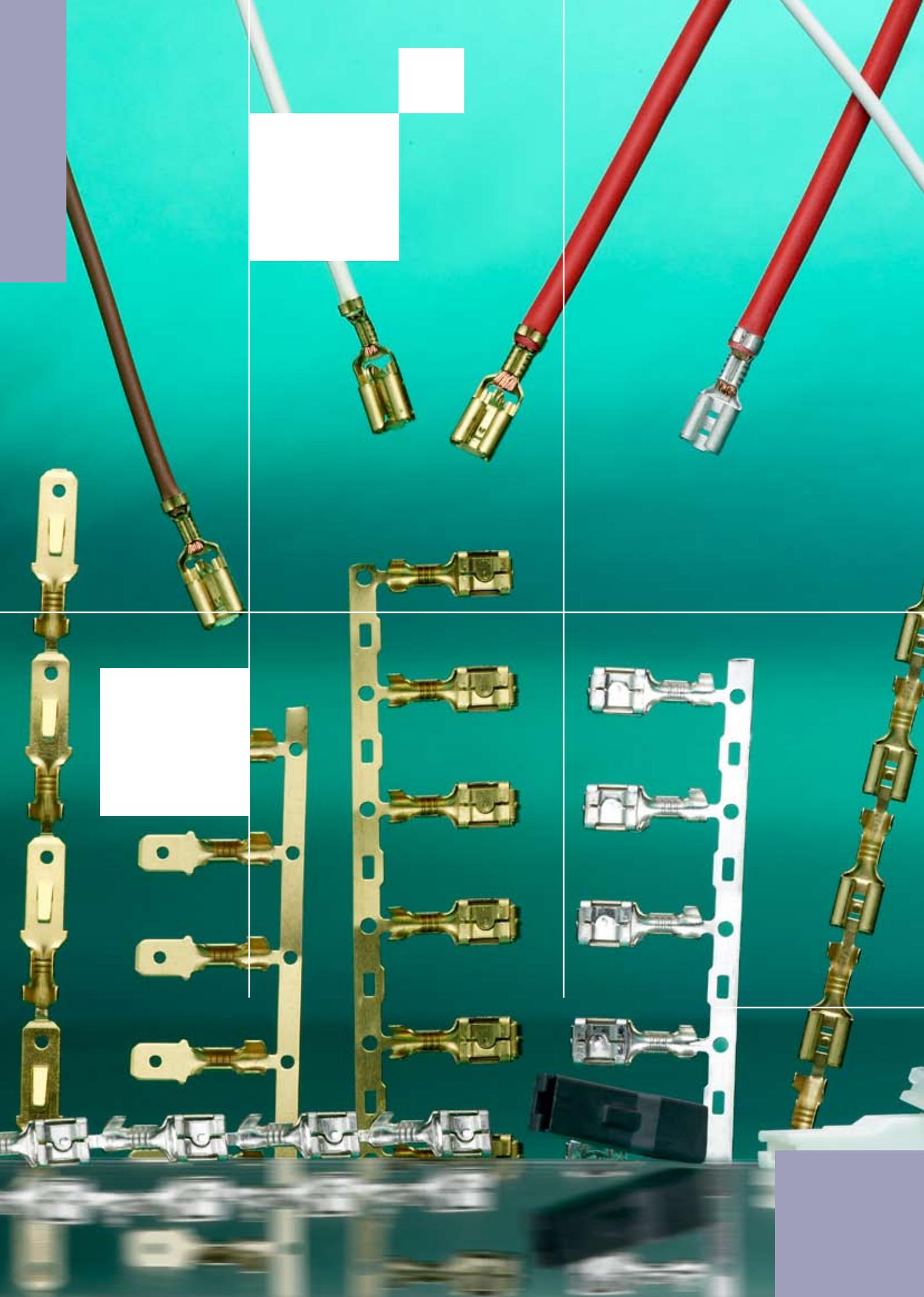
Figure	Part number	Material				Colour	Num. of ways
		Polyethylene	PA 66 V2	PA66 V0	NO FLAME		
	2284010	•				Natural	1
	2284110	•				Natural	2
	2284130		•				
	2284140			•			
	2100215	•				Black	2
	2285310	•				Natural	3
	2285330		•				
	2285340			•			
	2100815	•				Black	8
Left polarization							
	2100817	•				Brown	8
	Central Polarization						
	2101615	•				Black	16



Motorbike terminals

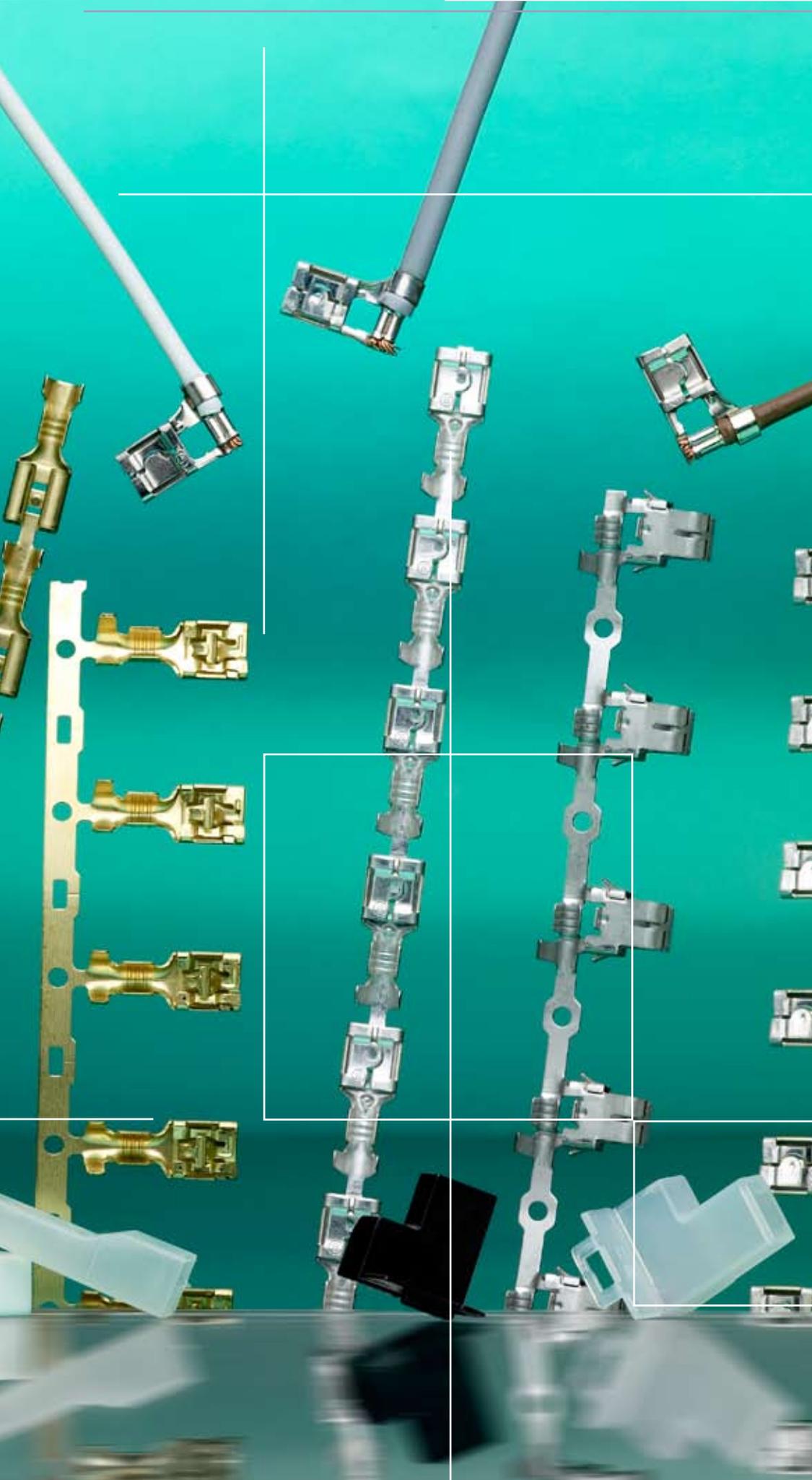
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,5-1,5 (20-16)	2-3,3	0,5	6405.	•		•					0,5	9.000





4,8 (.187) Type series

Terminals



4,8 (.187) Type series

Receptacles

4,8 (.187) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4412.*	•		•	•		•	•	0,35	10.000
			4,8x0,8	4414.*	•		•	•		•	•		
	1-2,5 (18-14)	3-4,3	4,8x0,5	4416.*	•		•	•		•	•		
			4,8x0,8	4418.*	•		•	•		•	•		

*DIN 46247

UL See page 12



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
		•	•	•	•	
	2482000	•				Natural
	2482010		•			Natural
	2481210		•			Natural
	2481230			•		Black
	2481235			•		Natural
	2481240				•	Natural

UL See page 13



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,3-0,75 (22-18)	1,4-2,4	4,8x0,5	4813F	•	•	•	•	•		•	0,35	10.000
			4,8x0,8	4815F	•	•	•	•	•		•		
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4813.	•	•	•	•	•		•		
			4,8x0,8	4815.	•	•	•	•	•		•		
	0,5-1,5 (20-16)	1,8-2,5	4,8x0,5	4813E	•	•	•	•	•		•		
			4,8x0,8	4815E	•	•	•	•	•		•		
	1-2,5 (18-14)	3-4,3	4,8x0,5	4817.	•	•	•	•	•		•		
			4,8x0,8	4819.	•	•	•	•	•		•		

UL See page 12

Receptacles

4,8 (.187) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene				Colour
		PA66 V2	PA66 V0	NO FLAME		
	2481410	•			Natural	
	2481430		•			
	2481440			•		
	2481510	•			Natural	
	2481530		•			
	2481540			•		



Basic locking terminal under TP design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Acero Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
	0,3-0,75 (22-18)	1,4-2,4	4,8x0,5	4913F	•	•	•	•	•	•	•	0,35	10.000	
			4,8x0,8	4915F	•	•	•	•	•	•	•			•
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4913.	•	•	•	•	•	•	•			•
			4,8x0,8	4915.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	3-4,3	4,8x0,5	4913E	•	•	•	•	•	•	•			•
			4,8x0,8	4915E	•	•	•	•	•	•	•			•
	1-2,5 (18-14)	3-4,3	4,8x0,5	4917.	•	•	•	•	•	•	•			•
			4,8x0,8	4919.	•	•	•	•	•	•	•			•

See page 12

* Not to use with housing



Self-locking terminal under TP design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	CuFe Pre-Sn	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	41			
	0,2-0,5 (24-20)	1,2-1,6	4,8x0,5	4912F	•	•	•	•	•	•	•	0,35	3.500	
			4,8x0,8	4914F	•	•	•	•	•	•	•			•
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4912.	•	•	•	•	•	•	•			•
			4,8x0,8	4914.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	3-4,3	4,8x0,5	4912E	•	•	•	•	•	•	•			•
			4,8x0,8	4914E	•	•	•	•	•	•	•			•
	1-2,5 (18-14)	3-4,3	4,8x0,5	4916.	•	•	•	•	•	•	•		•	
			4,8x0,8	4918.	•	•	•	•	•	•	•		•	

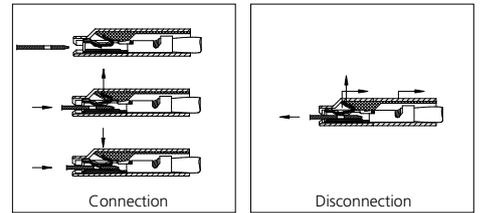
Receptacles

4,8 (.187) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2481910		•			Natural
	2481930			•		
	2481940				•	



Standard self-locking terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4713.	•		•	•		•		0,35	10.000
			4,8x0,8	4715.	•		•	•		•			
	1-2,5 (18-14)	3-4,3	4,8x0,5	4717.	•		•	•		•			
			4,8x0,8	4719.	•		•	•		•			

Manual disconnection

See page 12



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4712.	•		•	•		•		0,35	10.000
			4,8x0,8	4714.	•		•	•		•			
	1-2,5 (18-14)	3-4,3	4,8x0,5	4716.	•		•	•		•			
			4,8x0,8	4718.	•		•	•		•			

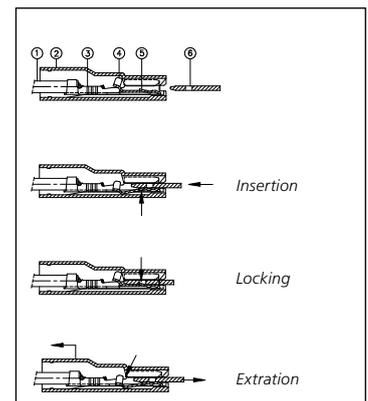
Connector disconnection

See page 12



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2481110		•			Natural
	2481130			•		Black
	2481135			•		Black
	2481140				•	Natural



Receptacles for connector

4,8 (.187) Type series terminals



Standard terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4312.	•		•	•		•	•	0,3	10.000
			4,8x0,8	4314.	•		•	•		•	•		
	1-2,5 (18-14)	3-4,3	4,8x0,5	4316.	•		•	•		•	•		
			4,8x0,8	4318.	•		•	•		•	•		



Low insertion

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
With upper dimple														
	0,3-0,75 (22-18)	1,4-2,4	4,8x0,5	4112F	•	•	•	•	•		•	0,35	12.000	
			4,8x0,8	4114F	•	•	•	•	•		•			
	0,5-1 (20-18)	1,8-2,5	4,8x0,5	4112.	•	•	•	•	•		•	•	10.000	9.000
			4,8x0,8	4114.	•	•	•	•	•		•	•		
	0,5-1,5 (20-16)	3-4,3	4,8x0,5	4112E	•	•	•	•	•		•	•	9.000	9.000
			4,8x0,8	4114E	•	•	•	•	•		•	•		
	1-2,5 (18-14)	3-4,3	4,8x0,5	4116.	•	•	•	•	•		•	•	9.000	9.000
			4,8x0,8	4118.	•	•	•	•	•		•	•		
	Without upper dimple													
		0,3-0,75 (22-18)	1,4-2,4	4,8x0,5	4113F	•	•	•	•	•		•	0,35	12.000
				4,8x0,8	4115F	•	•	•	•	•		•		
		0,5-1 (20-18)	1,8-2,5	4,8x0,5	4113.	•	•	•	•	•		•	•	10.000
4,8x0,8				4115.	•	•	•	•	•		•	•		
0,5-1,5 (20-16)		3-4,3	4,8x0,5	4113E	•	•	•	•	•		•	•	9.000	9.000
			4,8x0,8	4115E	•	•	•	•	•		•	•		
1-2,5 (18-14)		3-4,3	4,8x0,5	4117.	•	•	•	•	•		•	•	9.000	9.000
			4,8x0,8	4119.	•	•	•	•	•		•	•		



See page 12

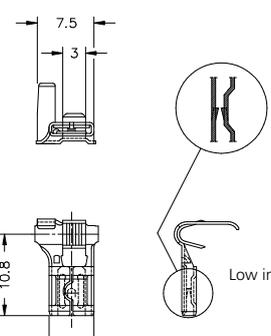
Flags

4,8 (.187) Type series terminals

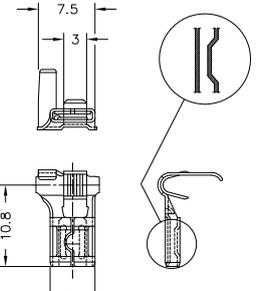


Low insertion



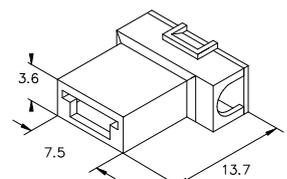
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
 <p>With upper dimple</p>	0,5-1,5 (20-16)	1,9-3,3	4,8x0,5	5812.	•	•	•	•	•	•	•	0,35	5.000	
			4,8x0,8	5814.	•	•	•	•	•	•	•			
		2,5 Máx	4,8x0,5	5812E	•	•	•	•	•	•	•			•
			4,8x0,8	5814E	•	•	•	•	•	•	•			•

UL See page 12

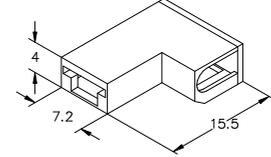
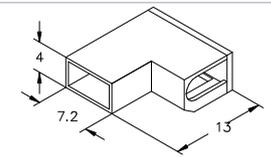
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
 <p>Without upper dimple</p>	0,5-1,5 (20-16)	1,9-3,3	4,8x0,8	5814K	•	•	•	•	•	•	•	0,35	5.000



Flag housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2483310	•				
	2483330		•			Natural
	2483340			•		

Other housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2483010	•				
	2483030		•			Natural
	2483040			•		
	2483110	•				
	2483130		•			Natural
	2483140			•		

Flags

4,8 (.187) Type series terminals



Basic locking terminal under TP design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	1,9-3,3	4,8x0,5	5712.	•	•	•	•	•		•	0,35	5.000
			4,8x0,8	5714.	•	•	•	•	•		•		
		2,5 Máx	4,8x0,5	5712E	•	•	•	•	•		•		
			4,8x0,8	5714E	•	•	•	•	•		•		

See page 12

* Not to use with housing



Self-locking terminal under TP design

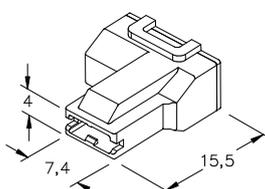


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	CuFe Pre-Sn	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	41			
	0,5-1,5 (20-16)	1,9-3,3	4,8x0,5	5716.	•	•		•	•		•	0,35	4.500	
			4,8x0,8	5717.	•	•		•	•		•			
		1-2,5 (18-14)	3-3,8	4,8x0,5	5718.	•	•		•	•				•
				4,8x0,8	5719.	•	•		•	•				•



Receptacle housings

Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
2483910	•				
2483930			•		Natural
2483940				•	



Flags for connector

4,8 (.187) Type series terminals



Low insertion

Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni
00	01	02	30	31	32	24



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
	0,5-1,5 (20-16)	1,9-3,3	4,8x0,5	5312.	•	•	•	•	•	•	•	0,35	4.500
			4,8x0,8	5314.	•	•	•	•	•	•	•		
	0,5-1,5 (20-16)	1,9-3,3	4,8x0,5	5313.	•	•	•	•	•	•	•	0,35	4.500
			4,8x0,8	5315.	•	•	•	•	•	•	•		

Receptacle - Tab terminals



Low insertion

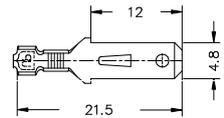
Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni
00	01	02	30	31	32	24



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel	
	0,5-1 (20-18)	1,8-3,3	4,8x0,5	5212.	•	•		•	•		•	0,35	2.500	
			4,8x0,8	5214.	•	•		•	•		•			
	0,5-1,5 (20-16)		4,8x0,5	5212E	•	•		•	•		•			
			4,8x0,8	5214E	•	•		•	•		•			
	1-2,5 (18-14)		3-4,3	4,8x0,5	5216.	•	•		•	•				•
				4,8x0,8	5218.	•	•		•	•				•



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	0,5	6416.	•		•					0,5	8.000



Housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2484010		•			Natural
	2484030			•		
	2484040				•	

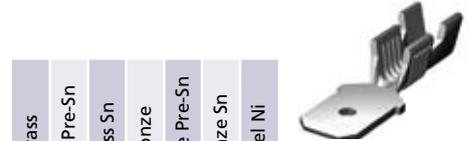
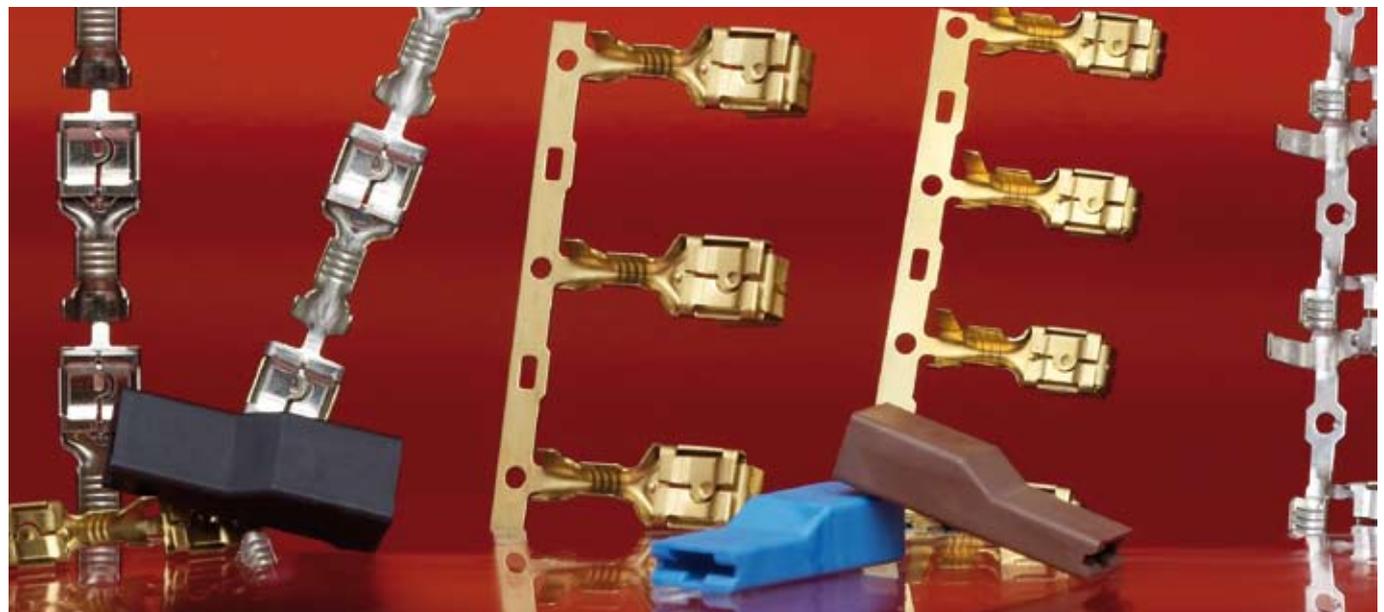
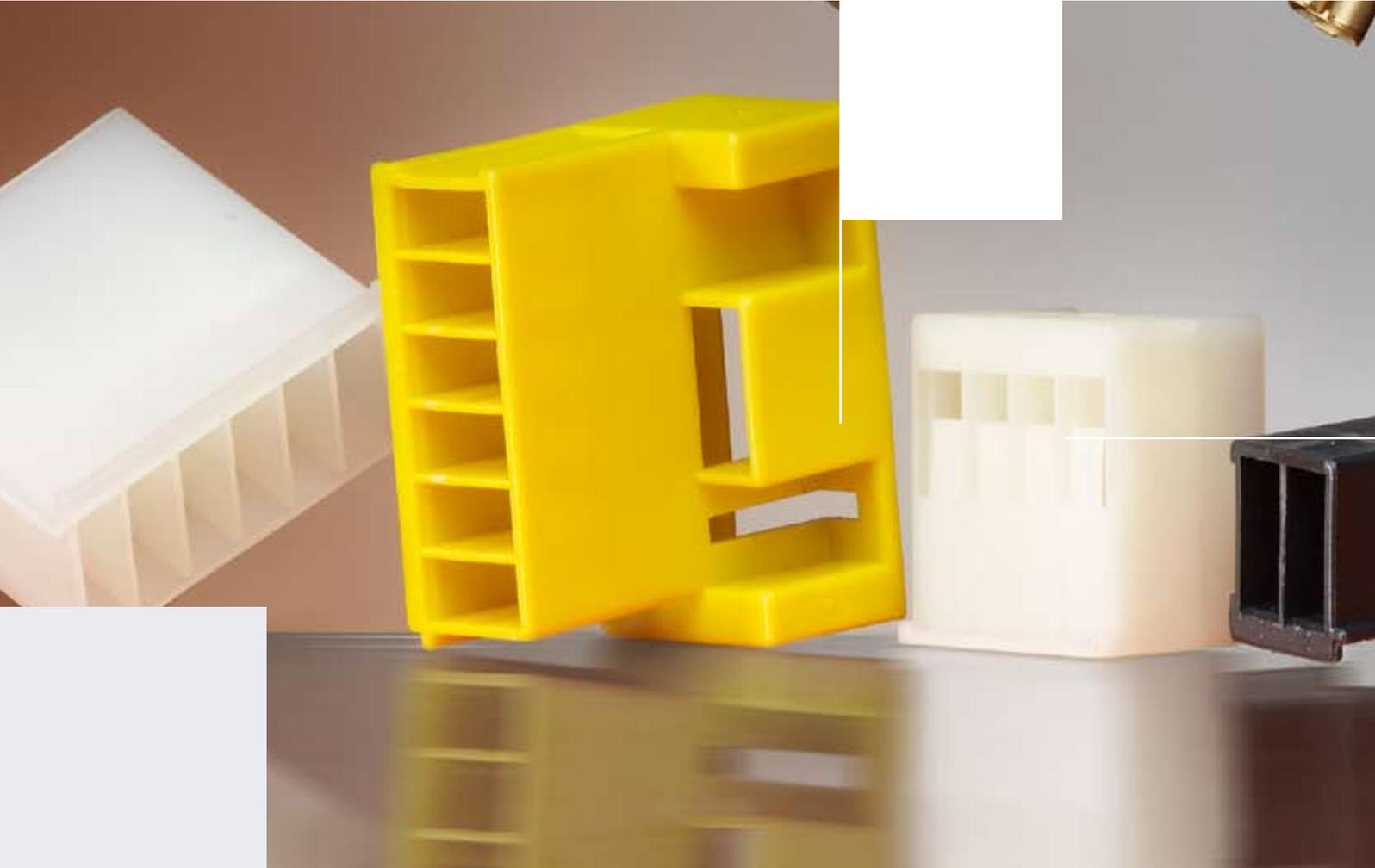
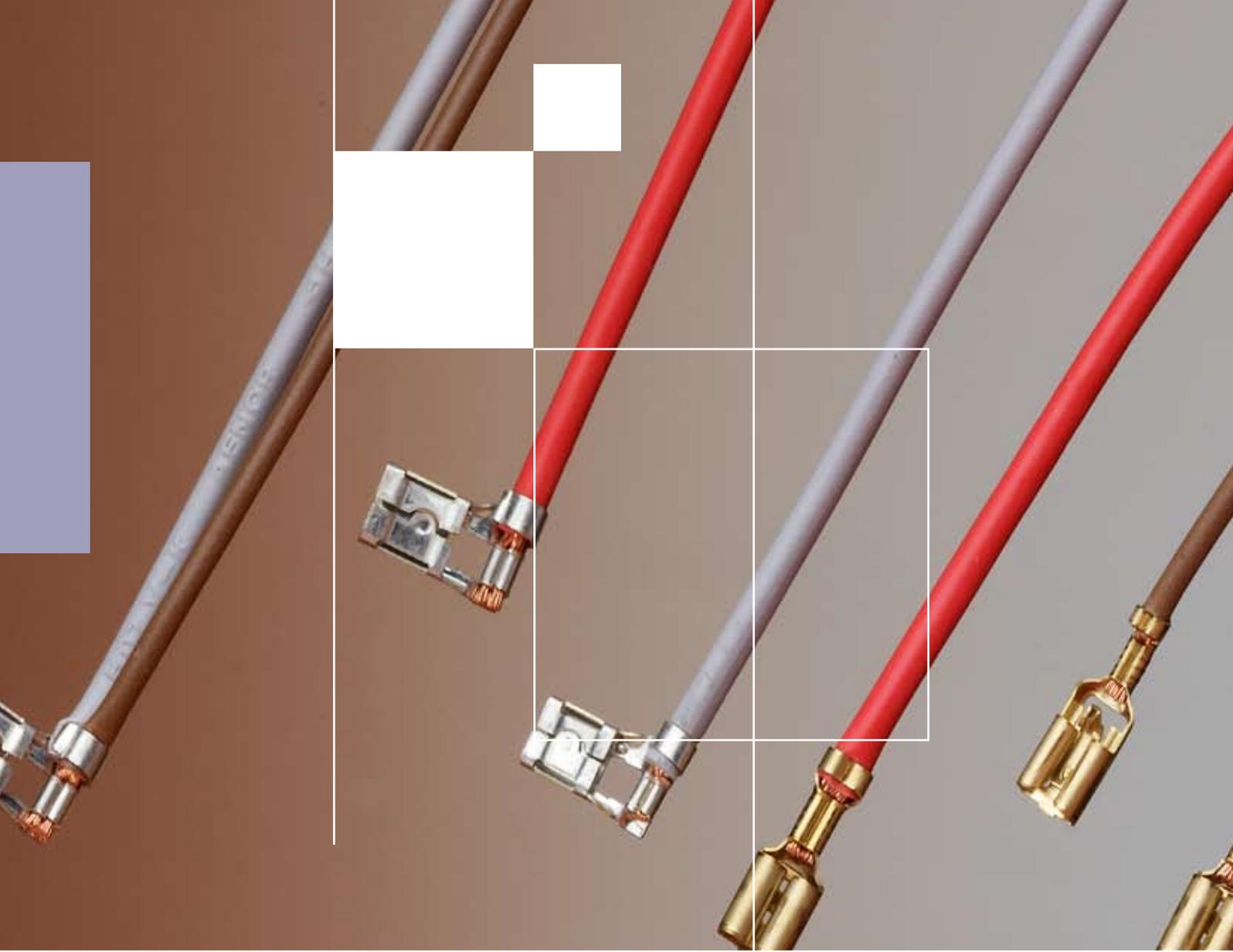


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	0,5	6412.	•	•	•					0,5	4.500
					•	•	•						
	0,75-2 (18-14)	2,5-3,5		6413.	•	•	•					0,5	4.000

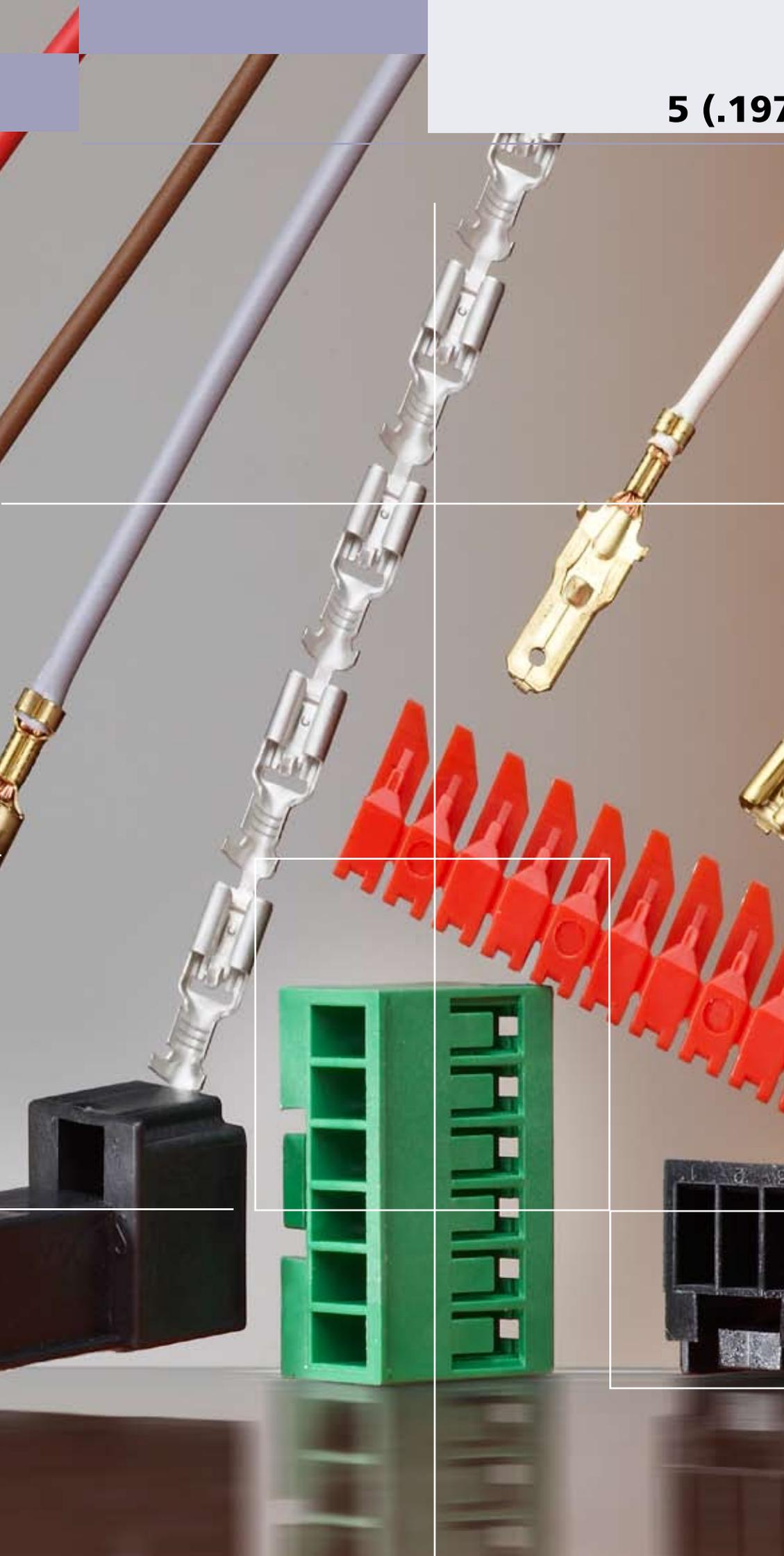
UL See page 12





5 (.197) Type series

Terminals



5 (.197) Type series

Receptacles

5 (.197) Type series terminals



Standard terminals

00	01	02	30	31	32	24
Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
	1-2,5 (18-14)	3-4,3	5x0,5	4472.	•		•	•		•		0,4	9.000
			5x0,8	4468.	•		•	•		•			

	1-2,5 (18-14)	3-4,3	5x0,5	4476.	•		•	•		•		0,4	8.000
			5x0,8	4466.	•		•	•		•			



Standard self-locking terminals

00	01	02	30	31	32	24
Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
	0,5-1,25 (20-16)	1,8-4,1	5,2x0,5	4766.	•		•	•		•		0,35	10.000
			5,2x0,8	4767.	•		•	•		•			

Receptacles for connector

5 (.197) Type series terminals



Standard terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	1-2,5 (18-14)	3-4,3	5,2x0,8 (1)	4370.	•		•	•		•		0,4	9.000
(1) Ask for tab thickness of 0,5 mm													



Flags



Standard terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	2-3,3	5x0,5 5x0,8	5472. 5476.	• •		• •	• •		• •		0,4	3.000



Low insertion

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	1,9-3,3	5x0,5 5x0,8	5872. 5876.	• •	• •		• •	• •		• •	0,35	5.000 4.500
	1-2,5 (18-14)	2,7-3,8	5x0,5 5x0,8	5874. 5878.	• •	• •		• •	• •		• •		



Flags

5 (.197) Type series terminals



Flag housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2483410		•			Natural

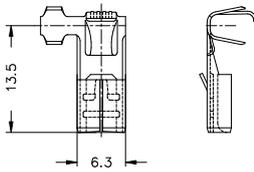
Flags for connector



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	2-3,3	5x0,5	5372.	•		•	•		•		0,4	3.000
			5x0,8	5376.	•		•	•		•			



Tabs



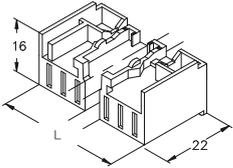
Standard terminals

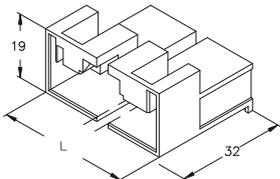


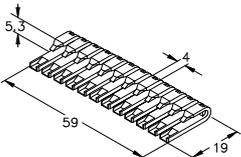
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,5-2,1 FLR	5x0,8	6768.	•	•		•	•			0,4	5.000
				6772.	•	•		•	•				
				6776.	•	•		•	•				
	1-3 (18-12)	3-4,3	5x0,8	6466.	•	•						0,4	7.000
	1-2,5 (18-14)	3-4,3	5x0,8	6466.	•	•						0,4	7.000

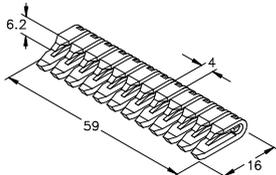
Other special housings

5 (.197) Type series terminals

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2505210		•			Natural	2
	2505215		•			Black	
	2505310		•			Natural	3
	2505315		•			Black	
	2505410		•			Natural	4
	2505415		•			Black	
	2505510		•			Natural	5
	2505515		•			Black	
	2505610		•			Natural	6
	2505612		•			Yellow	
	2505614		•			Green	
	2505615		•			Black	

	2504210		•			Natural	2
	2504215		•			Black	
	2504410		•			Natural	4
	2504415		•			Black	
	2504610		•			Natural	6
	2504612		•			Yellow	
	2504614		•			Green	
	2504615		•			Black	

	2507015		•			Black	
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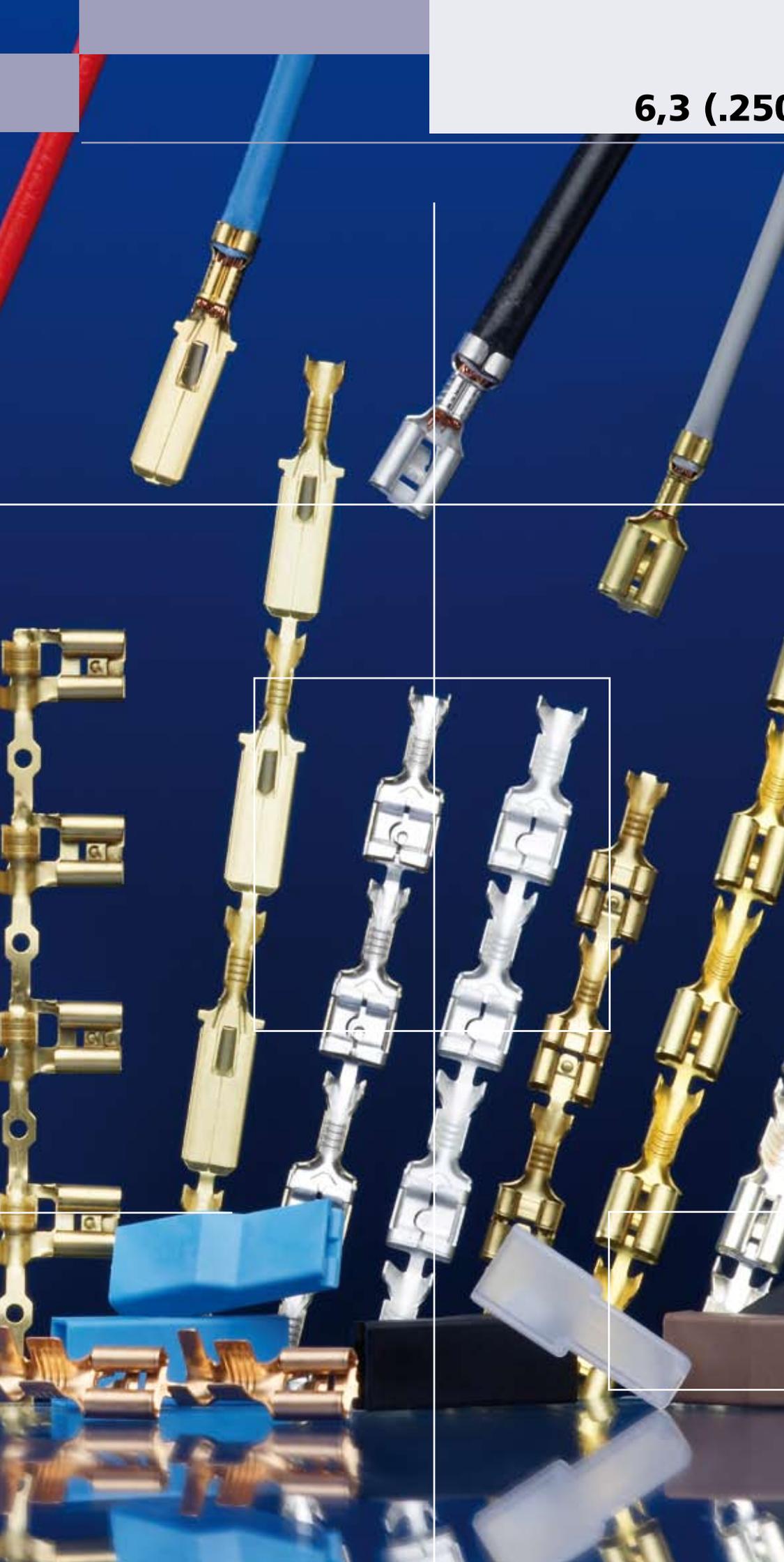
	2507013		•			Red	
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6,3 (.250) Type series

Terminals

6,3 (.250) Type series



Receptacles

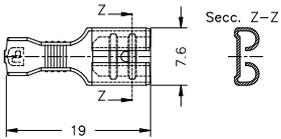
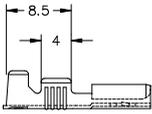
6,3 (.250) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4420.*	•		•	•		•	•	0,4	8.000
	1-2,5 (18-14)	3-4,3		4422.*	•		•	•		•	•		7.000
	2,5-6 (14-10)	3,8-5		4425.*	•		•	•		•	•		5.000

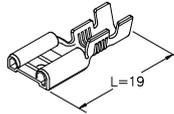


Special part number for FLR wire

0,5-1 (20-18)	1,5-2,1 FLR	6,3x0,8	4424.	•		•	•		•	•	0,4	8.000
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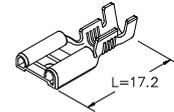
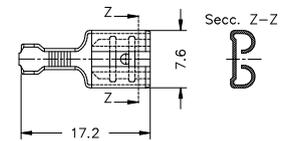
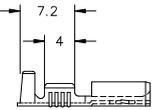
See page 12

*DIN 46247



Short version

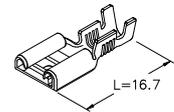
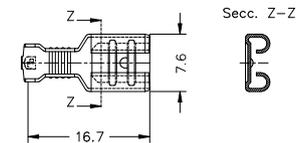
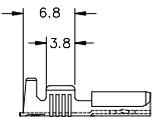
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4540.	•		•	•		•	•	0,4	8.000
	1-2,5 (18-14)	3-4,3		4542.	•		•	•		•	•		6.000
	2-5 (14-10)	3,8-5		4544.	•		•	•		•	•		



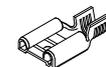
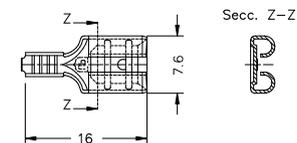
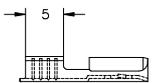
See page 12

Economical version

1-2,5 (18-14)	3-4,3	6,3x0,8	4648.	•		•	•		•	•	0,4	8.000
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0,5-1,5 (20-16)		6,3x0,8	4646.	•		•	•		•	•	0,4	8.000
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Receptacles

6,3 (.250) Type series terminals



Unlockable



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4520.	•		•	•		•		0,4	8.000
	1-2,5 (18-14)	3-4,3		4521.	•		•	•		•			7.000



Overmoulding receptacle



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4548.	•		•					0,4	8.000



Low insertion based on standard design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4820.	•		•	•		•		0,4	8.000
	1-2,5 (18-14)	3-4,3		4822.	•		•	•		•			7.000
	2,5-6 (14-10)	3,8-5		4824.	•		•	•		•			5.000

Short version

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4840.	•		•	•		•		0,4	8.000
	1-2,5 (18-14)	3-4,3		4842.	•		•	•		•			6.000
	2-5 (14-10)	3,8-5		4844.	•		•	•		•			

Receptacles

6,3 (.250) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene				Colour	Num. of ways
			PA66 V2	PA66 V0	NO FLAME		
	2631010		•			Natural	1
	2631015		•			Black	
	2631030			•		Natural	
	2631035			•		Black	
See page 13							
	2632100*	•				Natural	1
	2632110*		•				
	2632000**	•					
	2632010**		•				
*1 wire **2 wires							
	2631110		•			Natural	1
	2631310		•			Natural	1
	2631315		•			Black	
See page 13							
	2631600	•				Natural	1
	2631610		•			Black	
	2631615		•			Black	
	2631630			•		Natural	
	2631635			•		Black	



Standard self-locking terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4730.	•		•	•		•	•	0,4	8.000
	1-2,5 (18-14)	3-4,3		4732.	•		•	•		•	•		7.000
	2,5-5 (14-10)	3,6-5		4734.	•		•	•		•	•		6.000
See page 12													



Receptacles

6,3 (.250) Type series terminals

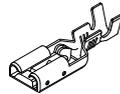
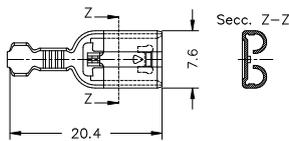
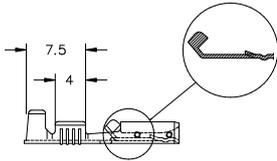


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4720.	•		•	•		•	•	0,4	8.000
	1-2,5 (18-14)	3-4,3		4722.	•		•	•		•	•		7.000
	2,5-5 (14-10)	3,6-5		4724.	•		•	•		•	•		6.000

Connector disconnection

Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
0,5-1 (20-18)	1,8-2,5	6,3x0,8	4720.	•		•	•		•	•	0,4	8.000
1-2,5 (18-14)	3-4,3		4722.	•		•	•		•	•		7.000
2,5-5 (14-10)	3,6-5		4724.	•		•	•		•	•		6.000

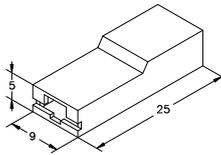
See page 12



Receptacle housings

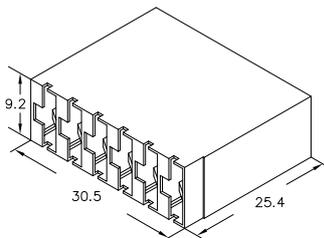
Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	2631210*	•			Natural	1	

See page 13



	2638810*	•			Natural	6
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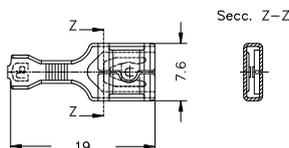
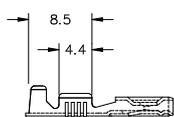
*Only for terminal 4720 / 4722 / 4724



Low insertion

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4833.	•	•	•	•	•	•	•	0,4	8.000
	0,5-1 (20-18)	1,8-2,5		4830.	•	•	•	•	•	•	•		
	0,5-1,5 (20-16)	2-3,3		4831.	•	•	•	•	•	•	•		7.000
	1-2,5 (18-14)	3-4,3		4832.	•	•	•	•	•	•			
	2,5-4 (14-12)	3,6-5		4834.	•	•	•	•	•	•	6.000		

See page 12



Receptacles

6,3 (.250) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2631410	•				Natural	1



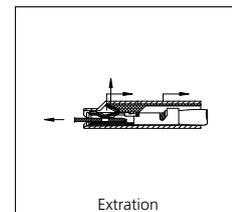
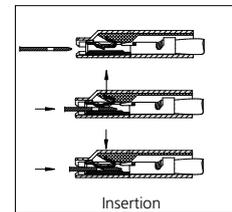
Self-locking terminal under TP design

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	4920.	•	•		•	•			0,4	8.000
	0,5-1,5 (20-16)	2-3,3		4921.	•	•		•	•				
	1-2,5 (18-14)	3-4,3		4922.	•	•		•	•				
	2,5-5 (14-10)	3,6-5		4924.	•	•		•	•				



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num.of ways
	2631910	•				Natural	1
	P549510	•				Natural	5



Self-locking terminal under TP design

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4933.	•	•		•	•		•	0,4	8.000
	0,5-1 (20-18)	1,8-2,5		4930.	•	•		•	•		•		
	0,5-1,5 (20-16)	2-3,3		4931.	•	•		•	•		•		
	1-2,5 (18-14)	3-4,3		4932.	•	•		•	•		•		
	2,5-4 (14-12)	3,6-5		4934.	•	•		•	•		•		

Receptacles for connector

6,3 (.250) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
With bottom dimple													
	0,5-1 (20-18)	1,5-2,1 FLR	6,3x0,8	4321.	•		•	•		•		0,4	8.000
		1,8-2,5		4323.*	•		•	•		•			
	1-2,5 (18-14)	1,8-2,9 FLR		4325.	•		•	•		•			
		3-4,3		4327.*	•		•	•		•			
	2,5-6 (14-10)	3,8-5		4346.*	•		•	•		•			4.000
See page 12													
Without bottom dimple													
	0,5-1 (20-18)	1,5-2,1 FLR	6,3x0,8	4331.	•		•	•		•		0,4	8.000
		1,8-2,5		4333.*	•		•	•		•			
		1,8-3,3		4332E	•		•	•		•			
	1-2,5 (18-14)	1,8-2,9 FLR		4335.	•		•	•		•		0,4	7.000
		3-4,3		4336E	•		•	•		•		0,35	
	2,5-6 (14-10)	3,8-5		4337.	•		•	•		•		0,4	4.000
				4348.*	•		•	•		•			
See page 12													
SEAL insulation													
	1,5-2,5 (16-14)	SEAL	6,3x0,8	4330.	•		•	•		•		0,4	3.000

Receptacles for connector

6,3 (.250) Type series terminals



Receptacle connectors

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2635110	•				Natural	1
	2635210	•				Natural	2
	2637410	•				Natural	2
	2637510	•				Natural	2
	2637810	•				Natural	2
	2637810	•				Natural	2
	2635310	•				Natural	3
	2635410	•				Natural	4
	P543410	•				Natural	4
	P543430		•				
	P543440			•			

Receptacles for connector

6,3 (.250) Type series terminals



Receptacle connectors

Figure	Part number	ABS	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2635610	•				Natural	6
	2638610	•				Natural	6
	2639728	•				Grey	6 (3x2)
	2635810	•				Natural	8
	2639010	•				Natural	10 (5x2)
	2638010	•				Natural	11
	2638710	•				Natural	12

Receptacles for connector

6,3 (.250) Type series terminals



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
<p>With upper dimple</p>	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4120F	•	•	•	•	•	•	•	0,4	8.000	
	0,5-1 (20-18)	1,8-2,5		4120.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	2-3,3		4120E	•	•	•	•	•	•	•			•
	1-2,5 (18-14)	3-4,3		4122.	•	•	•	•	•	•	•			•
	2,5-5 (14-10)	3,6-5		4124.	•	•	•	•	•	•	•			•

See page 12

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
<p>Without upper dimple</p>	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	4121F	•	•	•	•	•	•	•	0,4	8.000	
	0,5-1 (20-18)	1,8-2,5		4121.	•	•	•	•	•	•	•			•
	0,5-1,5 (20-16)	2-3,3		4121E	•	•	•	•	•	•	•			•
	1-2,5 (18-14)	3-4,3		4123.	•	•	•	•	•	•	•			•
	2,5-5 (14-10)	3,6-5		4125.	•	•	•	•	•	•	•			•



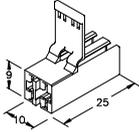
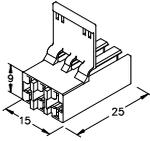
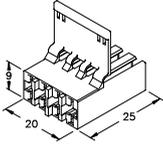
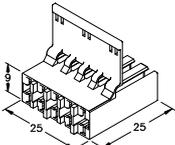
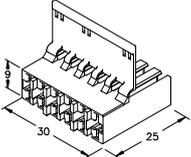
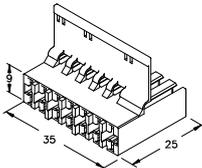
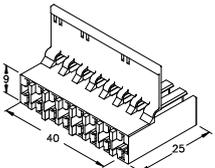
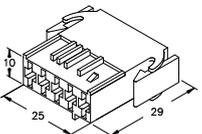
Special housings

Figure	Part number	PPS	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
		•	•	•	•		
	P841310	•				Natural	3
	P841395	•				Black	
	P841410	•				Natural	4
	P841495	•				Black	
	P841510	•				Natural	5
	P841595	•				Black	

Receptacles for connector

6,3 (.250) Type series terminals

Rast5 connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R541210-k		•			Natural	2
	R541230-k			•			
	R541240-k				•		
	R541270-k	•					
	R541310-k		•			Natural	3
	R541330-k			•			
	R541340-k				•		
	R541370-k	•					
	R541410-k		•			Natural	4
	R541430-k			•			
	R541440-k				•		
	R541470-k	•					
	R541510-k		•			Natural	5
	R541530-k			•			
	R541540-k				•		
	R541570-k	•					
	R541610-k		•			Natural	6
	R541630-k			•			
	R541640-k				•		
	R541670-k	•					
	R541710-k		•			Natural	7
	R541730-k			•			
	R541740-k				•		
	R541770-k	•					
	R541810-k		•			Natural	8
	R541830-k			•			
	R541840-k				•		
	R541870-k	•					
	Panel						
	R531530-k			•		Natural	5
	R531532-k			•		Yellow	
	R531533-k			•		Red	
R531534-k			•		Green		

Flags

6,3 (.250) Type series terminals



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2633010*		•			Natural	1

	2633110*		•			Natural	1
	12.8810*		•				
	2633210**		•				

*For terminals 5420-5422
** For terminals 5424-5426



Low insertion

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	2,1 Máx	6,3x0,8	5820F	•	•		•	•		•	0,4	4.000
	0,5-1,5 (20-16)	1,9-3,3		5820.	•	•		•	•		•		3.500
	1-2,5 (18-14)	2,7-3,8		5822.	•	•		•	•		•		3.000
	1,5-3 (16-12)			5823.	•	•		•	•		•		



Flag housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2633310		•			Natural	1
	2633330			•			
	2633340				•		

	2633610		•			Natural	2
	2633630			•			
	2633640				•		

Flags

6,3 (.250) Type series terminals



Self-locking terminal under TP design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	00	01	02	30	31	32	51	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Cu Alloy Pre-Sn		
	0,5-1,5 (20-16)	1,9-3,3	6,3x0,8	5725.	•	•		•	•		•	0,4	3.500
	1,5-3 (16-12)	2,7-3,8		5726.	•	•		•	•		•		3.000

See page 12



Flag housings

Figure	Part number	PBT 20GF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2633910		•			Natural	1
	2633435	•				Black	1



Flag connectors

Figure	Part number	PBT 20GF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2633535	•				Black	2
	2633815		•			Black	2

Flags

6,3 (.250) Type series terminals



Self-locking terminal under TP design



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	2,1 Máx	6,3x0,8	5720F	•	•		•	•		•	0,4	4.000
	0,5-1,5 (20-16)	1,9-3,3		5720.	•	•		•	•		•		3.500
	1-2,5 (18-14)	2,7-3,8		5722.	•	•		•	•		•		3.000
	1,5-3 (16-12)			5723.	•	•		•	•		•		

UL See page 12

Flags for connector



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-0,75 (20-18)	1,9-3,3	6,3x0,8	5327.	•		•	•		•		0,4	3.000
	0,5-1,5 (20-16)			5324.	•		•	•		•			
	1-2,5 (18-14)			5326.	•		•	•		•			
	0,5-1,5 (20-16)	1,9-3,3	6,3x0,8	5329.	•		•	•		•		0,4	3.500
	1-2,5 (18-14)			5330.	•		•	•		•			3.000

Flags for connector

6,3 (.250) Type series terminals



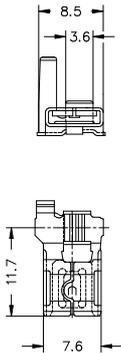
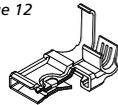
Low insertion



Figure

Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass 00	Brass Pre-Sn 01	Brass Sn 02	Bronze 30	Bronze Pre-Sn 31	Bronze Sn 32	Steel Ni 24	Material thickness (mm)	Parts x reel
With upper dimple												
0,2-0,6 (24-20)	2,1 Máx	6,3x0,8	5332F	•	•		•	•		•	0,4	4.000
0,5-1,5 (20-16)	1,9-3,3		5332.	•	•		•	•		•		3.500
1-2,5 (18-14)	2,7-3,8		5334.	•	•		•	•		•		3.000

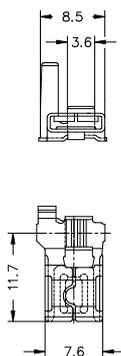
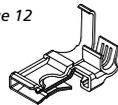
UL See page 12



Without upper dimple

Without upper dimple												
0,2-0,6 (24-20)	2,1 Máx	6,3x0,8	5333F	•	•		•	•		•	0,4	4.000
0,5-1,5 (20-16)	1,9-3,3		5333.	•	•		•	•		•		3.500
1-2,5 (18-14)	2,7-3,8		5335.	•	•		•	•		•		3.000

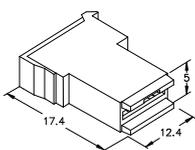
UL See page 12



Flag housings

Figure

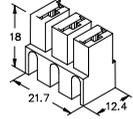
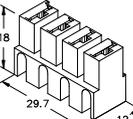
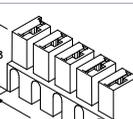
Part number	Polyethylene	PA66 VZ	PA66 V0	NO FLAME	Colour	Num. of ways
2633710		•			Natural	1
2633730			•			



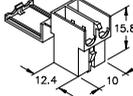
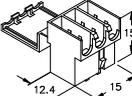
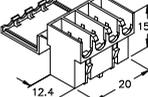
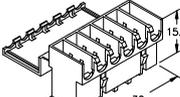
6,3 (.250) Type series terminals

Flags for connector

Centerline 8 mm
flag connectors

Figure	Part number	Polyethylene				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	P853310	•			Natural	3	
	P853315	•			Black		
	P853410	•			Natural	4	
	P853415	•			Black		
	P853510	•			Natural	5	
	P853515	•			Black		

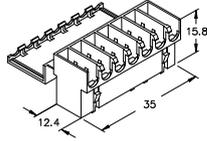
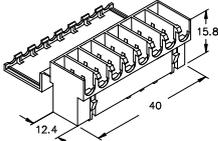
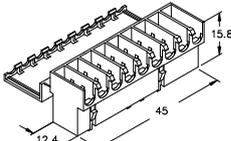
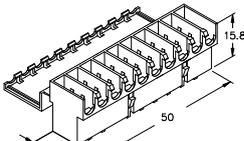
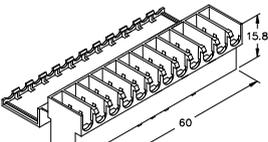
Rast5 connectors

Figure	Part number	PPNF				Colour	Num. of ways
		PA66 V2	PA66 V0	NO FLAME			
	R553210-k	•			Natural	2	
	R553230-k		•				
	R553240-k			•			
	R553270-k	•					
	R553310-k	•			Natural	3	
	R553330-k		•				
	R553340-k			•			
	R553370-k	•					
	R553410-k	•			Natural	4	
	R553430-k		•				
	R553440-k			•			
	R553470-k	•					
	R553510-k	•			Natural	5	
	R553530-k		•				
	R553540-k			•			
	R553570-k	•					
	R553610-k	•			Natural	6	
	R553630-k		•				
	R553640-k			•			
	R553670-k	•					

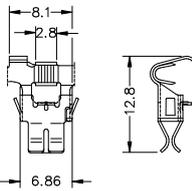
6,3 (.250) Type series terminals

Flags for connector

Rast5 connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	R553710-k		•			Natural	7
	R553730-k			•			
	R553740-k				•		
	R553770-k	•					
	R553810-k		•			Natural	8
	R553830-k			•			
	R553840-k				•		
	R553870-k	•					
	R553910-k		•			Natural	9
	R553930-k			•			
	R553940-k				•		
	R553970-k	•					
	R5531010-k		•			Natural	10
	R5531030-k			•			
	R5531040-k				•		
	R5531070-k	•					
	R5531210-k		•			Natural	12
	R5531230-k			•			
	R5531240-k				•		
	R5531270-k	•					

H15 Lampholder flag terminals

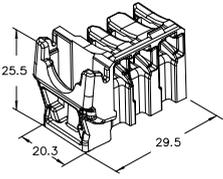
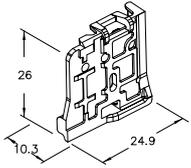
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	CU. Alloy Pre Sn	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	51		
	0,5-1 (20-18)	2,5 Máx		8430.							•	0,32	3.000



H15 Lampholder flag terminals

6,3 (.250) Type series terminals

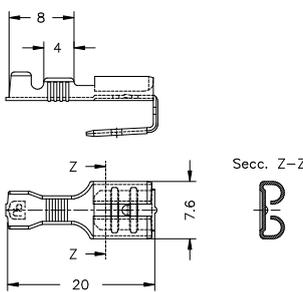
Lampholder connector

Figure	Part number	Material				Colour	Num. of ways
		PBT-GF20	PA66 V2	PA66 V0	NO FLAME		
	2483295	•				Black	3
	2483695	•				Black	3

Receptacle - tab terminals



Standard terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	6,3x0,8	5220.	•		•	•		•		0,4	1.500
				5220T	•		•	•		•			
	5222.	•			•	•		•					
	5222T	•			•	•		•					

Receptacle - tab terminals

6,3 (.250) Type series terminals



Low insertion



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-3,3	6,3x0,8	5230.	•	•		•	•		•	0,4	1.500
	1-2,5 (18-14)	2,7-4,3		5232.	•	•		•	•		•		
	0,5-1 (20-18)	1,8-3,3	6,3x0,8	5231.	•	•		•	•		•	0,4	1.500
	1-2,5 (18-14)	2,7-4,3		5233.	•	•		•	•		•		
	0,5-1 (20-18)	1,8-3,3	6,3x0,8	5234.	•	•		•	•		•	0,4	2.750
	1-2,5 (18-14)	2,7-4,3		5236.	•	•		•	•		•		

Tabs

6,3 (.250) Type series terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,75-1,5 (18-16)	2,4-3,3	6,3x0,8	6420.	•		•					0,8	7.000
	1-2,5 (18-14)	3-4,3	6,3x0,8	6422.* *DIN 46248	•	•	•	•	•			0,4	7.000
	1-2,5 (18-14)	3-4,3	6,3x0,4	6433.	•	•						0,4	5.000

Housings

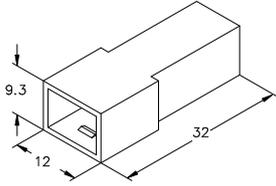
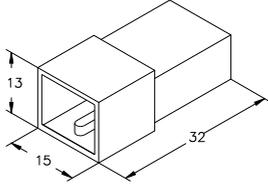
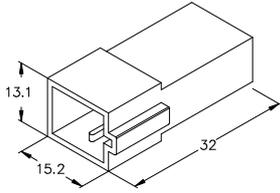
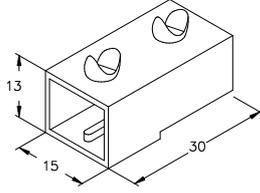
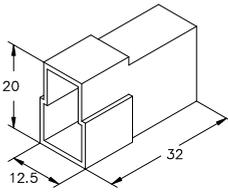
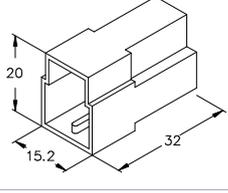
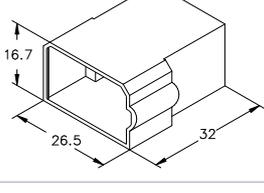
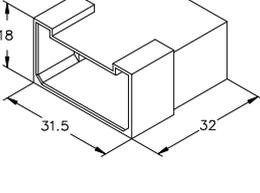
Figure	Part number	Polyethylene	Colour	Num. of ways
		PA66 V2		
	2630110	•	Natural	1

Tabs for connector



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	6423.*	•	•		•	•			0,4	5.000
	0,5-1 (20-18)	1,5-2,1 FLR		6421.*	•	•		•	•				6.000
		1,8-2,5		6424.*	•	•		•	•				5.000
	1-2,5 (18-14)	3-4,3		6432.*	•	•		•	•				
See page 12													
	0,2-0,6 (24-20)	1,4-2,1	6,3x0,8	6425.*	•	•		•	•			0,4	6.000
	0,5-1 (20-18)	1,5-2,1 FLR		6427.*	•	•		•	•				5.000
		1,8-2,5		6426.*	•	•		•	•				
	1-2,5 (18-14)	3-4,3		6434.*	•	•		•	•				
See page 12													
	1-2,5 (18-14)	3-4,3	6,3x0,4	6430.	•	•						0,4	5.000
	2,5-6 (14-10)	3,8-6	6,3x0,8	6438.*	•	•		•	•			0,4	3.500
See page 12													
	2,5-6 (14-10)	3,8-6	6,3x0,8	6440.*	•	•		•	•			0,4	3.500
See page 12													

Connectors

Figure	Part number	ABS	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2634110	•				Natural	1
	2634210	•				Natural	2
	2637310	•				Natural	2
	2637610	•				Natural	2
	2637710 2637715	•				Natural Black	2
	2634310	•				Natural	3
	2634410	•				Natural	4
	2634610	•				Natural	6

Connectors

Figure	Part number	ABS	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2638210	•				Natural	6
	2634810	•				Natural	8
	2638310	•				Natural	8
	2637910	•				Natural	11
	2639628	•				Grey	6 (3x2)

Rast5 connectors

Figure	Part number	PPNF	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
Panel							
	R574330-k			•		Natural	3
	R574336-k			•		Blue	
	R574530-k			•		Natural	5
	R574532-K			•		Yellow	
	R574533-k			•		Red	
	R574534-k			•		Green	
Aerial connection							
	R575530-k			•		Natural	5
	R575532-k			•		Yellow	
	R575533-k			•		Red	
	R575534-k			•		Green	

Tabs for connector

Figure	Part number					Colour	Num. of ways
		PPNF	PA66 V2	PA66 V0	NO FLAME		
	R564210-k		•			Natural	2
	R564230-k			•			
	R564240-k				•		
	R564270-k	•					
	R564310-k		•			Natural	3
	R564330-k			•			
	R564340-k				•		
	R564370-k	•					
	R564510-k		•			Natural	5
	R564530-k			•			
	R564540-k				•		
	R564570-k	•					
	R564610-k		•			Natural	6
	R564630-k			•			
	R564640-k				•		
	R564670-k	•					

PCB connectors

Figure	Part number					Colour	Num. of ways
		PA6 GF 30NF	PA66 V2	PA66 V0	NO FLAME		
	R569240-k	•				Natural	2
	R569340-k	•				Natural	3
	R569440-k	•				Natural	4
	R569540-k	•				Natural	5
	R569640-k	•				Natural	6
	R569740-k	•				Natural	7



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel				
					00	01	02	30	31	32	24						
	0,2-0,6 (24-20)	1,4-2,1		8435.	•	•		•	•			0,32	3.500				
	0,5-1,5 (20-16)	1,8-3,3		8441.	•	•		•	•					0,4	3.500		
	0,5-1 (20-18)	1,5-2,1 FLR		8437.	•	•		•	•							0,4	3.500
	0,75-1,5 (18-16)	1,8-2,3 FLR		8437F	•	•		•	•								
	1-2,5 (18-14)	3-4,3		8442.	•	•		•	•					0,32	2.700		
	2-3 (14-12)			8445.	•	•		•	•			0,32	2.500				
				8449.	•	•		•	•								

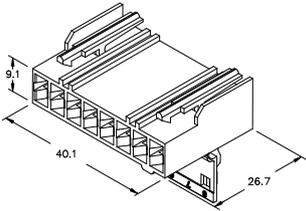


Connectors

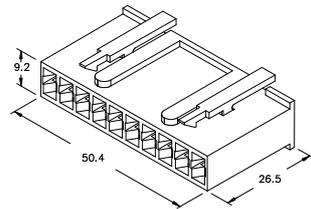
Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
	2636310		•			Natural	3
	2636330			•			
	2636340				•		
	2636345				•		
	2636210		•			Natural	6
	2636230			•			
	2636240				•		
	2636245				•		
	2636810		•			Natural	8
	2639810		•			Natural	8



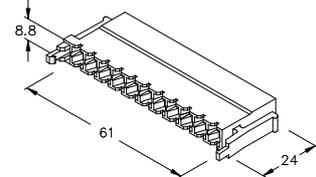
Figure



Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
2636010		•				8
2636030			•		Natural	
2636040				•		
2636045				•	Black	



2636110		•				10
2636130			•		Natural	
2636140				•		
2636145				•	Black	

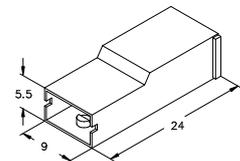


2638510		•			Natural	12
2638511		•			White	

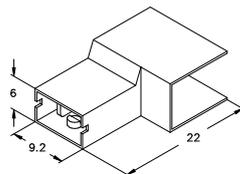
Other Connectors

Electrical household appliance connectors

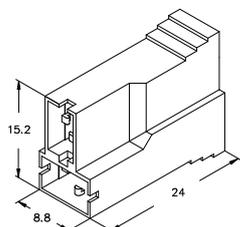
Figure



Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
2637010		•			Natural	1



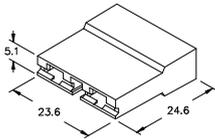
2637115		•			Black	1
---------	--	---	--	--	-------	---



2637210		•			Natural	2
---------	--	---	--	--	---------	---

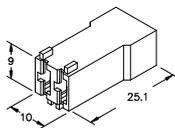
Electrical household appliance connectors

Figure



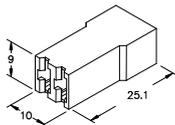
Part number	Polyethylene				Colour	Num. of ways
	PA66 V2	PA66 V0	NO FLAME			
2624110	•				Natural	2
2624130		•				
2624140			•			
2624145			•		Black	

UP STA **UP SEK** Receptacles 6,3
Water valve connectors



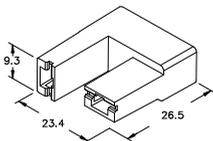
2624310	•				Natural	2
2624330		•				
2624340			•			
2624345			•		Black	

UP STA **UP SEK** Receptacles 6,3
Heater-pcb connection



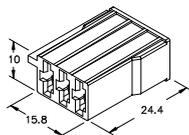
2624410	•				Natural	2
2624430		•				
2624440			•			
2624445			•		Black	

UP STA **UP SEK** Receptacles 6,3
Heater connector



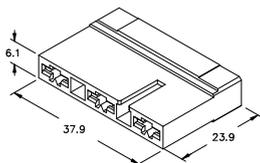
2625010	•				Natural	2
2625030		•				
2625040			•			
2625045			•		Black	

UP STA **UP SEK** Receptacles 6,3
Refrigerator thermostat



2624010	•				Natural	3
2624030		•				
2624040			•			
2624045			•		Black	

UP STA **UP SEK** Receptacles 6,3
Detergent box

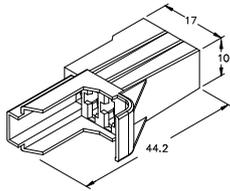


2624210	•				Natural	3
2624230		•				
2624240			•			
2624245			•		Black	

UP STA Receptacles for connector 6,3
Water valve connectors

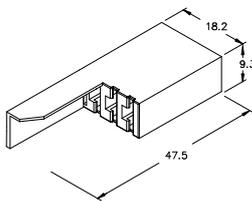
Electrical household appliance connectors

Figure



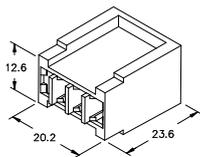
Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour	Num. of ways
2624510	•					3
2624530		•			Natural	
2624540			•		Black	
2624545			•		Black	

UP SEK Receptacles 6,3
Water level switch



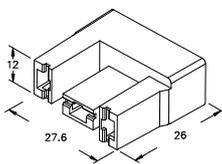
2624610	•					3
2624630		•			Natural	
2624640			•		Black	
2624645			•		Black	

UP TP Receptacles 6,3
Water level switch



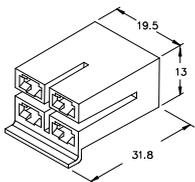
2624810	•					3
2624830		•			Natural	
2624840			•		Black	
2624845			•		Black	

UP STA Receptacles 6,3



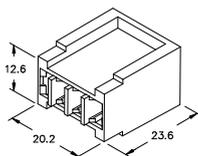
2625110	•					3
2625130		•			Natural	
2625140			•		Black	
2625145			•		Black	

UP STA Receptacles 6,3
Refrigerator thermostat



2624710	•					4
2624730		•			Natural	
2624740			•		Black	
2624745			•		Black	

UP STA Receptacles 6,3
ON/OFF connectors



2624910	•					4
2624930		•			Natural	
2624940			•		Black	
2624945			•		Black	

UP STA Receptacles 6,3



8 (.315) Type series
9,5 (.375) Type series

Terminals

8 (.315) Type series 9,5 (.375) Type series

Receptacles

8 (.315) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-3,3	7,7x0,8	4460.	•		•	•		•		0,4	5.500

Receptacles for connector



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-3,3	7,7x0,8	4360.	•		•	•		•		0,4	5.000

Flags for connector

8 (.315) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass 85/15	Brass Pre-Sn	Brass 85/15 Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					10	01	12	30	31	32	24		
	0,75-1,5 (18-16)	1,7-2,4	7,9x0,75	5360.	•		•	•		•		0,45	3.000
	1-2,5 (18-14)	3-4,3		5362.	•		•	•		•			

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,6-2,3	7,9x0,75	5366.	•		•	•		•		0,4	3.500
	1-2,5 (18-14)	3-4,3		5364.*	•		•	•		•			

*DIN 46340

Connectors

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2805310		•			Natural

*Only for terminals 5366 / 5364

Receptacles

9,5 (.375) Type series terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
<p>Secc. Z-Z</p>	1-2,5 (18-14)	2,4-3,7	9,5x1,2	4480.	•		•	•		•		0,5	3.000
<p>Secc. Z-Z</p>	2,5-6 (14-10)	3,8-5	9,5x1,2	4478.* *DIN 46247	•		•	•		•		0,5	3.000
<p>Secc. Z-Z</p>	3-6 (12-10) 6-10 (10-8)	3,8-5,1 4,6-6,6	9,5x1,2	4482. 4484.	•		•	•		•		0,5	2.500 2.000



Receptacle housings

Figure	Part number	Polyethylene	PA66 V2	PA66 V0	NO FLAME	Colour
	2951010		•			Natural

Receptacles for connector

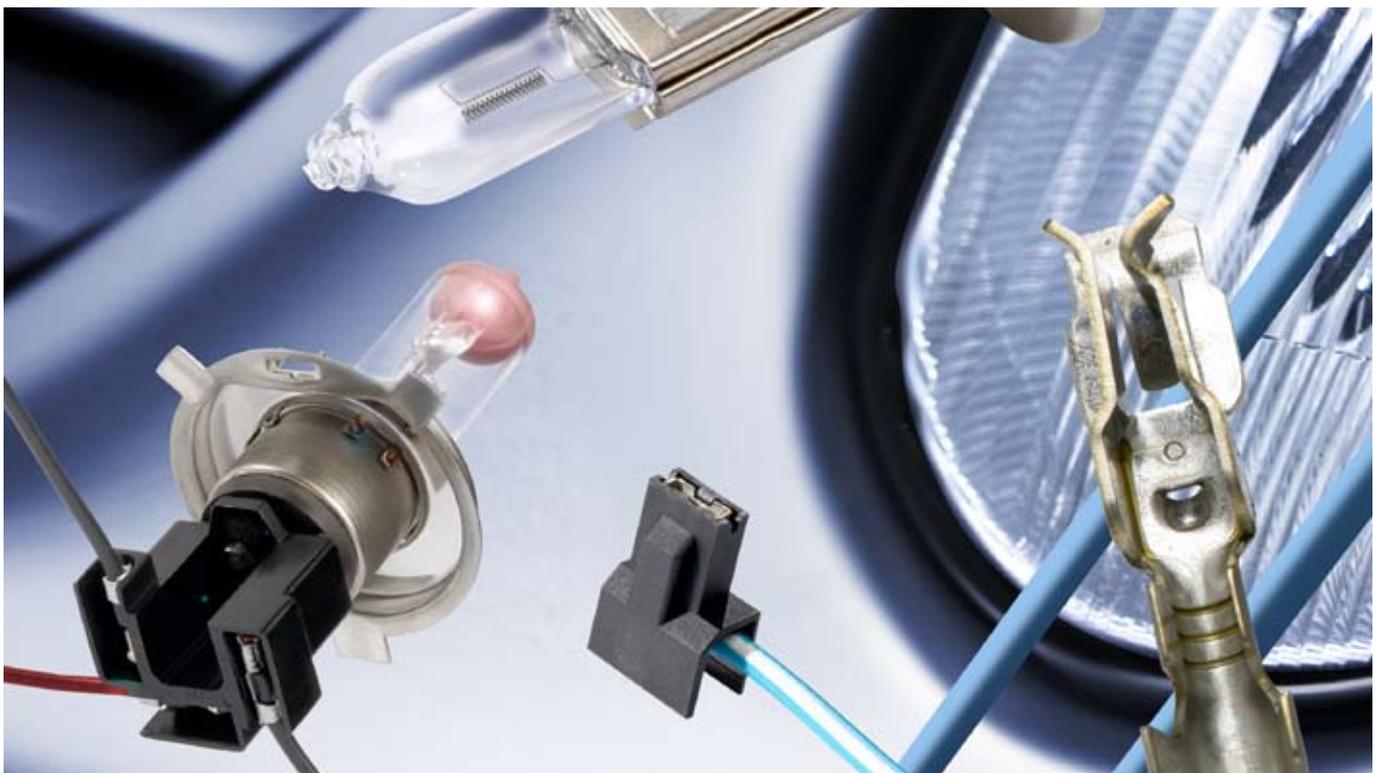
9,5 (.375) Type series terminals

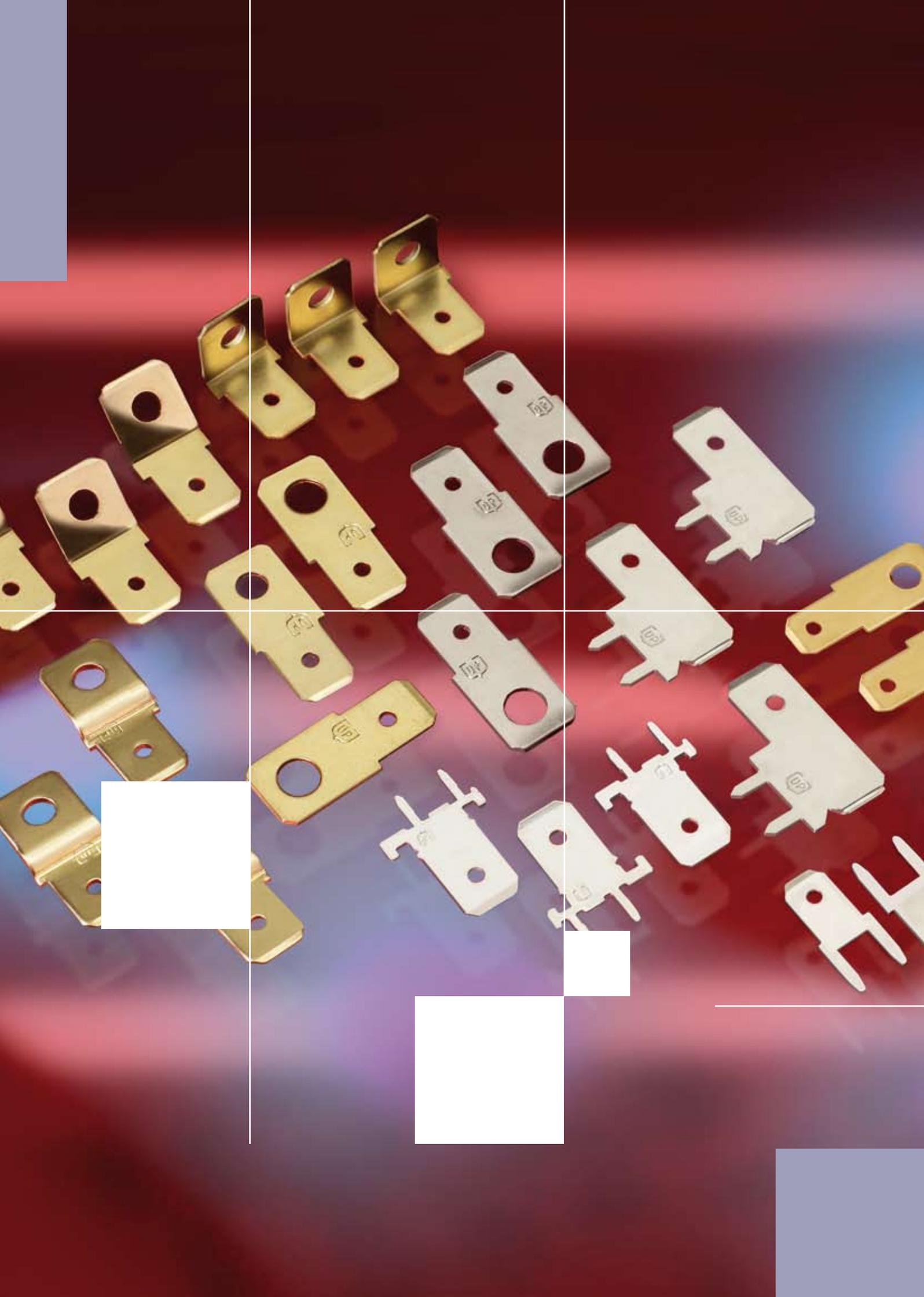


Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	1-2,5 (18-14)	2,4-3,7	9,5x1,2	4380.	•		•	•		•		0,5	3.000
	3-6 (12-10) 6-10 (10-8)	3,8-5,1 4,6-6,6	9,5x1,2	4382. 4384.	•		•	•		•		0,5	2.500 2.000





Plane tabs

Terminals



Plane tabs

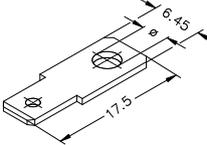
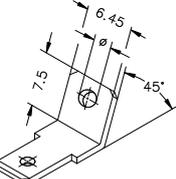
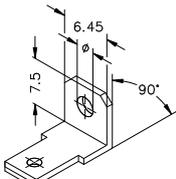
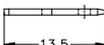
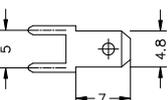
Plane tabs terminals

2,8 (.110) Terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	2,2		2,2	19901.*	•		•					0,5	25.000
	3,2		3,2	19903.*	•		•						
	2,2		2,2	19905.*	•		•					0,8	
	3,2		3,2	19907.*	•		•						
	2,2		2,2	19909.*	•		•					0,5	25.000
	3,2		3,2	19911.*	•		•						
	2,2		2,2	19913.*	•		•					0,8	
	3,2		3,2	19915.*	•		•						
	2,2		2,2	19917.*	•		•					0,5	25.000
	3,2		3,2	19919.*	•		•						
	2,2		2,2	19921.*	•		•					0,8	
	3,2		3,2	19923.*	•		•						
*DIN 46342													
				19956.	•		•					0,5	25.000
				19957.	•		•					0,8	
				19958.	•		•					0,5	25.000
				19959.	•		•					0,8	
				19960.	•		•					0,5	25.000
				19961.	•		•					0,8	
				19962.	•		•					0,5	25.000
				19963.	•		•					0,8	
				19962.	•		•					0,5	25.000
				19963.	•		•					0,8	

Plane tabs terminals

4,8 (.187) Terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
			3,2	19925.*	•		•					0,5	25.000
			4,2	19927.*	•		•						
			3,2	19929.*	•		•					0,8	
			4,2	19931.*	•		•						
			3,2	19933.*	•		•					0,5	25.000
			4,2	19935.*	•		•						
			3,2	19937.*	•		•					0,8	
			4,2	19939.*	•		•						
			3,2	19941.*	•		•					0,5	25.000
			4,2	19943.*	•		•						
			3,2	19945.*	•		•					0,8	
			4,2	19947.*	•		•						
*DIN 46342													
				19954.	•		•					0,5	25.000
				19955.	•		•					0,8	
													

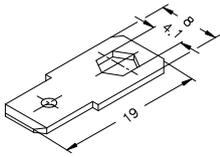
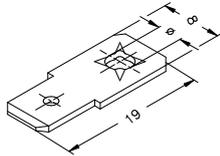
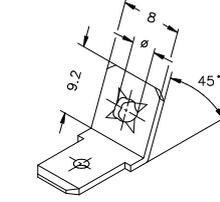
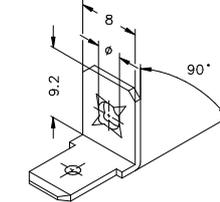
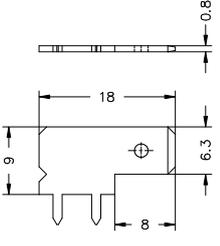
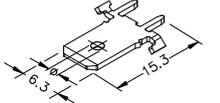
Plane tabs terminals

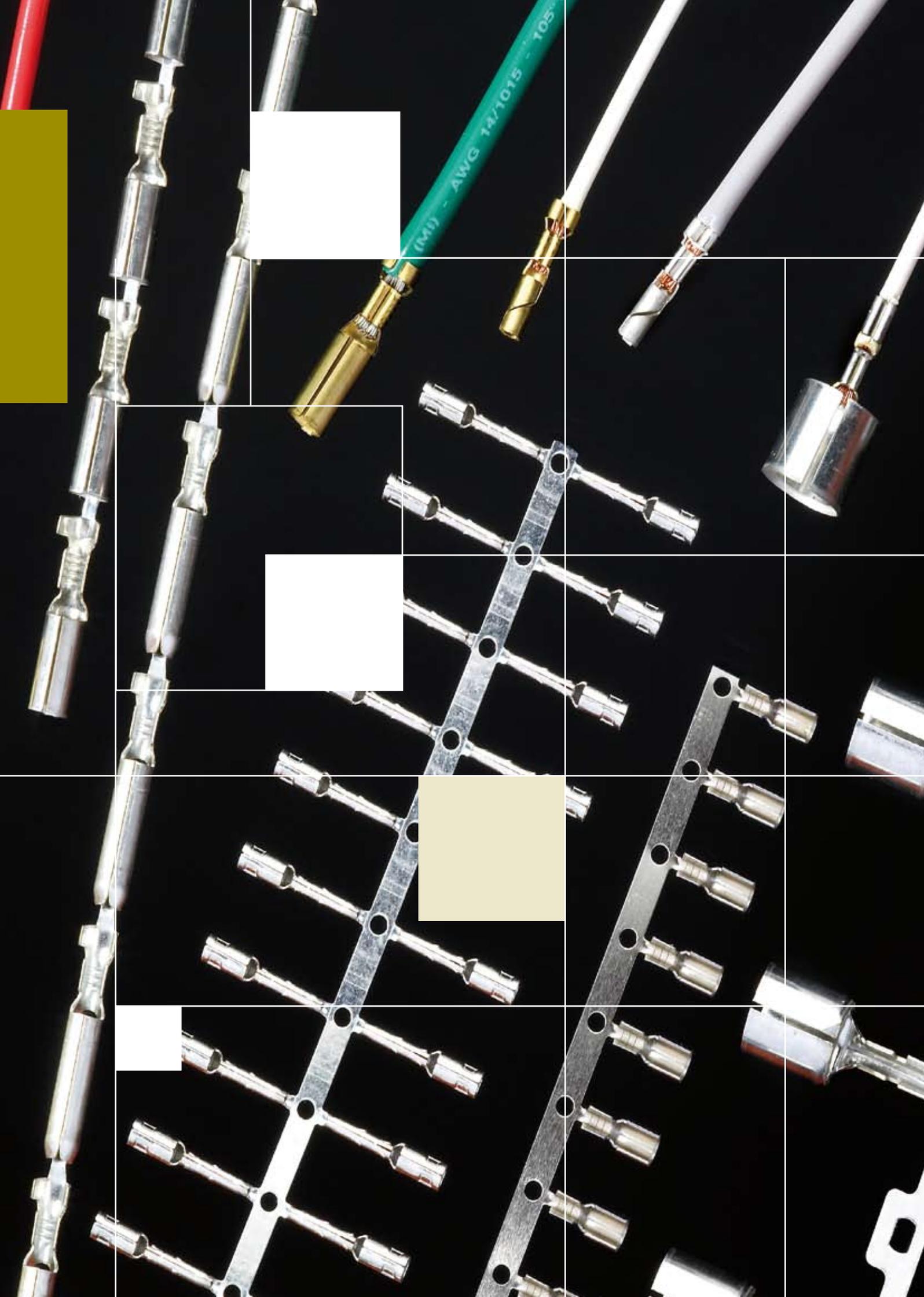
6,3 (.250) Terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
			3,2	1990.*	•		•					0,8	25.000
			4,2	19902.*	•		•						
			5,2	19904.*	•		•						
			3,2	19906.*	•		•					0,8	25.000
			4,2	19908.*	•		•						
			5,2	19910.*	•		•						
			3,2	19912.*	•		•					0,8	25.000
			4,2	19914.*	•		•						
			5,2	19916.* *DIN 46342	•		•						
			3,2	19918.	•		•					0,8	25.000
			4,2	19920.	•		•						
			5,2	19922.	•		•						
			3,2	19924.	•		•					0,8	25.000
			4,2	19926.	•		•						
			5,2	19928.	•		•						
			3,2	19930.	•		•					0,8	25.000
			4,2	19932.	•		•						
			5,2	19934.	•		•						

6,3 (.250) Terminals

Plane tabs terminals

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
			4,1	19936.	•		•					0,8	25.000
			3,2	19938.	•		•					0,8	25.000
			4,2	19940.	•		•						
			3,2	19942.	•		•					0,8	25.000
			4,2	19944.	•		•						
			3,2	19946.	•		•					0,8	25.000
			4,2	19948.	•		•						
				19965.		•						0,8	25.000
				19971.	•		•					0,8	25.000



Cylindrical

Terminals



Cylindrical

Receptacles

Cylindrical terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,3-0,6 (22-20)	1,65	1,35	8501.	•		•					0,3	17.000
			0,8	8511.	•		•						
Secc. Z-Z Special mini electrode													
	0,5-1,5 (20-16)	2,3-3,3	2	8512.	•		•	•	•	•	•	0,3	14.000
					:UL _{cs} See page 13								
	0,5-1 (20-18)	3,8	2,2	8560.	•	•						0,32	4.000
	0,5-1 (20-18)	1,8-2,5	2,3	8504.	•		•	•	•	•		0,3	15.000
					:UL _{cs} See page 13								
	0,25-0,75 (24-18)		2,3	8505.	•	•					•	0,3	15.000

Receptacles

Cylindrical terminals



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	1-2 (18-14)		3,8	8530.	•		•					0,4	3.500
	0,5-1 (20-18)	1,8-2,5	4	8500.	•	•	•	•		•		0,35	8.000
	1-2,5 (18-14)	3-4,3		8502.	•	•	•	•		•			
	See page 13												

Flags



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	2	8514.	•	•		•	•		•	0,3	7.000
	0,75-1,5 (18-16)			8516.	•	•		•	•		•		



Standard terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	4	7504.	•		•					0,45	5.000
	0,5-1 (20-18)	1,8-2,5	4	7500.	•	•	•					0,4	8.000
	1-2,5 (18-14)	3-4,3		7502.	•	•	•						
See page 13													
	0,5-1 (20-18)	1,8-2,5	4	7508.	•	•						0,4	8.000
	1-2,5 (18-14)	3-4,3		7512.	•	•							

Receptacles

Cylindrical terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	00	01	02	30	31	32	70	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Ni Silver		
	0,3-0,6 (22-20)	2,2 Máx	4	8533.							•	0,4	1.000
	0,75-1,5 (18-16)	3,3 Máx		8534.									

Tabs



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	00	01	02	30	31	32	70	Material thickness (mm)	Parts x reel
					Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Ni Silver		
	0,3-0,6 (22-20)	2,2 Máx	4,27	7530.							•	0,4	1.000
	0,75-1,5 (18-16)	3,3 Máx		7531.									

	0,3-0,6 (22-20)	2,2 Máx	4,27	7532.							•	0,4	1.000
	0,75-1,5 (18-16)	3,3 Máx		7533.									



Ring

Terminals

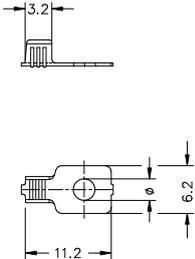


Ring Terminals

Ring terminals

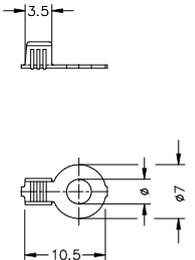
Without insulation support

6 mm Plate

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)		2,8	3650.	•		•	•		•		0,4	20.000
			3,2	3652.	•		•	•		•			
			3,7	3654.	•		•	•		•			

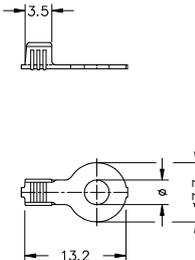


7 mm Plate

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)		3,2	3622.	•		•	•		•		0,4	20.000
			3,7	3624.	•		•	•		•			
			4,2	3626.	•		•	•		•			



7,7 mm Plate

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)		3,2	3628.	•		•	•		•		0,5	15.000
			3,7	3630.	•		•	•		•			
			4,2	3632.	•		•	•		•			
			5,2	3634.	•		•	•		•			



Ring terminals

Without insulation support

Forks



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)		2,7	3856.	•		•	•		•		0,4	20.000
			3,2	3858.	•		•	•		•			
			3,5	3860.	•		•	•		•			
	0,5-1,5 (20-16)		3,7	3836.	•		•	•		•		0,4	20.000



With insulation support

Ring terminals

4,5 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	1,8-3,3	2,3	3480.	•		•					0,5	15.000
			2,6	3482.	•		•						
			3,1	3484.	•		•						
	1,5-2,5 (16-14)	3-4,3	2,3	3486.	•		•						
			2,6	3488.	•		•						
			3,1	3490.	•		•						

6 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	2,7	3440.	•		•	•		•	•	0,5	10.000
			2,95	3442.	•		•	•		•	•		
			3,2	3432.	•		•	•		•	•		
			3,6	3434.	•		•	•		•	•		
	0,5-1 (20-18)	1,8-2,5	3,2	3436.	•		•	•		•	•	0,5	10.000
			3,6	3438.	•		•	•		•	•		
	0,75-2 (18-14)	2,5-3,5	2,7	3450.	•		•	•		•	•	0,5	12.000
			3,2	3451.	•		•	•		•	•		
			3,7	3452.	•		•	•		•	•		

See page 13

With insulation support

Ring terminals

7 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	2,7	3508.	•		•	•		•	•	0,5	8.000
			3,2	3510.	•		•	•		•	•		
			3,7	3512.	•		•	•		•	•		
			4,3	3514.	•		•	•		•	•		
	0,5-1 (20-18)	1,8-2,5	2,7	3429.	•		•	•		•	•	0,5	10.000
			2,95	3431.	•		•	•		•	•		
			3,2	3433.	•		•	•		•	•		
			3,6	3435.	•		•	•		•	•		
	0,75-2 (18-14)	2,5-3,5	2,7	3454.	•		•	•		•	•	0,5	12.000
			3,2	3455.	•		•	•		•	•		
			3,7	3456.	•		•	•		•	•		
			4,3	3457.	•		•	•		•	•		
	0,75-2 (18-14)	2,5-3,5	3,2	3380.	•		•	•		•	•	0,5	7.000
			3,6	3386.	•		•	•		•	•		
			4,2	3382.	•		•	•		•	•		
			5,2	3384.	•		•	•		•	•		

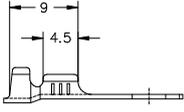
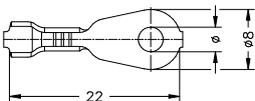
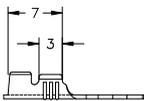
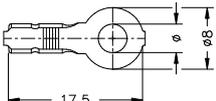
See page 13

With insulation support

Ring terminals

8 mm Plate

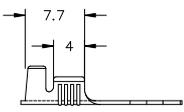
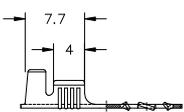


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel	
					00	01	02	30	31	32	24			
	0,5-1 (20-18)	1,8-2,5	3,2	3423.	•		•	•		•		0,6	7.000	
			4,3	3424.	•		•	•		•				
			5,3	3425.	•		•	•		•				
	1-2,5 (18-14)	1,8-4,3	3,2	3426.	•		•	•		•		0,6	6.000	
			4,3	3427.	•		•	•		•				
			5,3	3428.	•		•	•		•				
	0,5-1 (20-18)	1,8-2,5	3,2	3350.	•		•					0,5	12.000	
			4,2	3352.	•		•							
			4,6	3354.	•		•							
			5,2	3356.	•		•							
	0,75-1,5 (18-16)	2,5-3,3	3,2	3358.	•		•					0,5	8.000	
			4,2	3360.	•		•							
			4,6	3362.	•		•							
			5,2	3364.	•		•							

UL See page 13

8,6 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,75-2 (18-14)	2,5-3,5	3,2	3370.	•		•	•		•	•	0,5	7.000
			3,6	3371.	•		•	•		•	•		
			4,2	3372.	•		•	•		•	•		
			4,8	3379.	•		•	•		•	•		
			5,3	3374.	•		•	•		•	•		
	0,75-2 (18-14)	2,5-3,5	4,3	3375.	•		•			•	0,5	7.000	
			5,3	3377.	•		•			•			

UL See page 13

UL See page 13

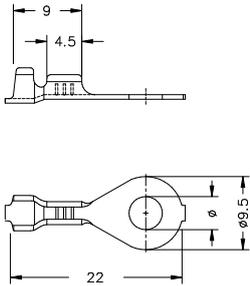
With insulation support

Ring terminals

9,5 mm Plate



Figure



Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
0,5-1 (20-18)	1,8-2,5	4,3	3402.	•		•	•		•		0,6	6.000
		5,3	3403.	•		•	•		•			
		6,4	3404.	•		•	•		•			
0,5-2,5 (20-14)	1,8-4,3	4,3	3420.	•		•	•		•		0,8	
		5,3	3421.	•		•	•		•			
		6,4	3422.	•		•	•		•			
1-2,5 (18-14)	3-4,3	4,3	3417.	•		•	•		•		0,6	
		5,3	3418.	•		•	•		•			
		6,4	3419.	•		•	•		•			
1,5-3 (16-12)	3-4,3	4,3	3414.	•		•	•		•		1	
		5,3	3415.	•		•	•		•			
		6,4	3416.	•		•	•		•			
1,5-4 (16-12)	3,3-4,5	3,5	3407.	•		•	•		•		0,6	5.000
		4,3	3408.	•		•	•		•			
		5,3	3409.	•		•	•		•			
2,5-4 (14-12)	3,3-4,5	4,3	3410.	•		•	•		•		0,8	
		4,3	3411.	•		•	•		•			
		5,3	3412.	•		•	•		•			
		6,4	3413.	•		•	•		•			

See page 13

Bornages standard ring sizes

DIN	USA	BRITISH ASSOC.
M 2	1=1,9 mm	9 BA=1,9 mm
	2=2,2 mm	8 BA=2,2 mm
M 2,6	3=2,5 mm	7 BA=2,5 mm
	4=2,8 mm	6 BA=2,8 mm
M 3	5=3,2 mm	5 BA=3,2 mm
M 3,5	6=3,5 mm	4 BA=3,5 mm
M 4	8=4,2 mm	3 BA=4,2 mm
M 5	10=4,8 mm	2 BA=4,8 mm
M 6	12=5,4 mm	1 BA=0,5 mm
	14=6,1 mm	0 BA=6,1 mm
	1/4"=6,35 mm	1/4"=6,35 mm
M 8	5/16"=7,9 mm	5/16"=7,9 mm
M 10	3/8"=9,5 mm	3/8"=9,5 mm
M 12	7/18"=11,1 mm	7/18"=11,1 mm
	1/2"=12,7 mm	1/2"=7,2 mm
M 16	5/8"=15,8 mm	5/8"=15,8 mm
M 20	3/4"=19,0 mm	3/4"=19,0 mm
M 26	1"=25,4 mm	1"=25,4 mm

With insulation support

Ring terminals

12 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	5,3	3522.	•		•	•		•		0,6	3.000
			6,5	3524.	•*		•*	•		•			
			8,3	3526.	•		•	•		•			
			10	3523.	•		•	•		•			
			5,3	3566.	•		•	•		•			
	6,5	3568.	•		•	•		•		0,8			
	8,3	3570.	•		•	•		•		0,8			
	5,3	3530.	•		•	•		•		0,6			
	6,5	3532.	•*		•*	•		•		0,6			
	8,3	3534.	•		•	•		•		0,8			
5,3	3572.	•		•	•		•		0,8				
6,5	3574.	•		•	•		•		0,8				
8,3	3576.	•		•	•		•		0,8				
:UL _{cs} See page 13					*DIN 46225								
	0,5-1 (20-18)	1,8-2,5	5,3	3529.	•		•	•		•		0,6	3.000
	1-2,5 (18-14)	3-4,3		3537.	•		•	•		•			
:UL _{cs} See page 13					*DIN 46225								
	2,5-6 (14-10)	3,8-5	4,3	3581.	•		•	•		•		0,8	2.000
			5,5	3580.	•		•	•		•			
			6,5	3582.	•*		•*	•		•			
:UL _{cs} See page 13					*DIN 46225								
	6-10 (10-8)	4,6-7,7	5,5	3334.	•		•	•		•		1	1.500
			6,5	3336.	•*		•*	•		•			
:UL _{cs} See page 13					*DIN 46225								

With insulation support

Ring terminals

14 mm Plate



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel		
					00	01	02	30	31	32	24				
	1-2,5 (18-14)	3-4,3	8,5	3446.	•*		•*	•		•		0,6	2.500		
			9,5	3448.	•		•	•		•					
			8,5	3310.	•		•	•		•				0,8	
			9,5	3312.	•		•	•		•					
					*DIN 46225										
	See page 13														
	2,5-6 (14-10)	3,8-5	6,5	3560.	•		•	•		•		0,8	2.000		
			8,5	3562.	•*		•*	•		•					
								*DIN 46225							
See page 13															
	6-10 (10-8)	4,6-7,7	6,5	3306.	•		•	•		•		1	1.000		
			8,5	3308.	•*		•*	•		•					
			10,4	3309.	•		•	•		•					
								*DIN 46225							
	See page 13														

With insulation support

Ring terminals

17 mm Plate

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass 85/15	Brass Pre-Sn	Brass 85/15 Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					10	11	12	30	31	32	24		
	2-4 (14-12)	3-4,5	8,25	3340.	•		•	•		•		0,7	1.500
	3-6 (12-10)	3,8-5		3342.	•		•	•		•			



18,5 mm Plate

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	1,5-4 (16-12)	3-4,3	8,5	3496.	•		•					1	1.500
			10,5	3314.	•		•	•					
			12,5	3316.	•		•	•		•			



With insulation support

Ring terminals

Forks

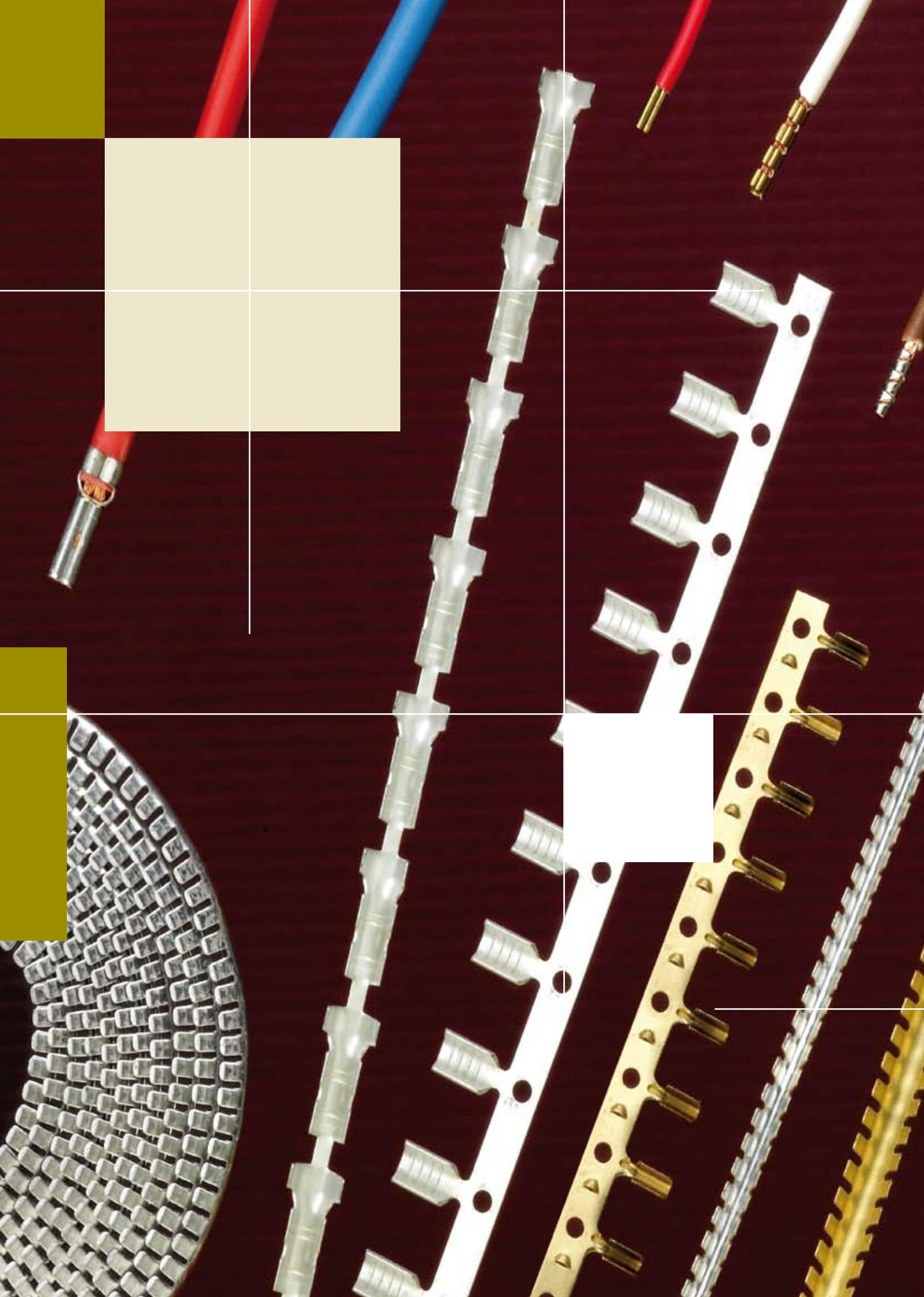


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)	1,8-2,5	2,7	3816.	•		•	•		•		0,5	8.000
			3,2	3818.	•		•	•		•			
			3,7	3820.	•		•	•		•			
			4,2	3840.	•		•	•		•			

Flags



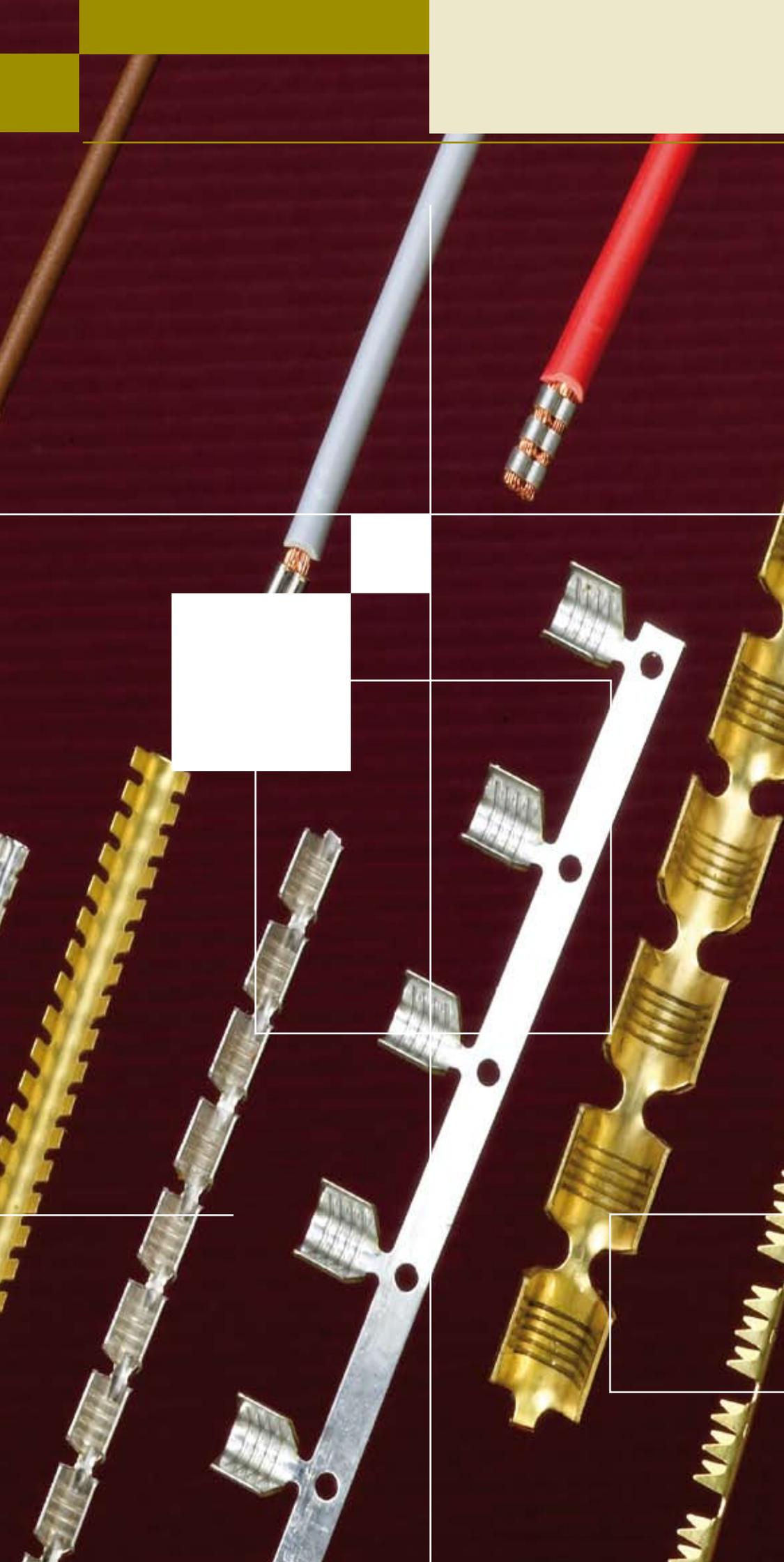
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Ø (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1,5 (20-16)	1,8-3,3	3,3	3895.	•		•	•		•	•	0,4	9.000
			4,3	3896.	•		•	•		•	•		
	0,5-1,5 (20-16)	1,8-3,3	3,3	3395.	•		•	•		•	•	0,4	9.000
			4,3	3396.	•		•	•		•	•		
	0,5-1,5 (20-16)	2-3,3	2,6	3388.	•		•	•		•		0,4	5.000
			3,2	3390.	•		•	•		•			
			3,6	3391.	•		•	•		•			
			4,2	3392.	•		•	•		•			
			5,2	3464.	•		•	•		•		0,6	
			2,6	3466.	•		•	•		•			
			3,2	3468.	•		•	•		•			
			4,2	3470.	•		•	•		•			
5,2	3472.	•		•	•		•						
	0,5-1,5 (20-16)	2-3,3	3,2	3894.	•		•					0,4	5.000



Special

Terminals

Special Terminals



Special terminals

Socket (overhead moulded socket)



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Tab thickness (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
					00	01	02	30	31	32	24		
	0,5-1 (20-18)		4	8840.				•		•		0,4	1.400
<ul style="list-style-type: none"> ①-Hemispherical contacts ②-Spring wings ③-Exterior par ④-Crimping wings 													

Splicing terminals

Lateral



Figure	Wire size mm ² (AWG)	W (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
	0,2-0,5 (24-20)	4	5116.	•	•	•					0,25	30.000
<p>Scale 2:1</p>	0,5-1,5 (20-16)	4,8	5130.	•		•				•	0,3	20.000
	0,7-2,5 (18-14)	3,8	5132.	•	•					•	0,5	6.500
<p>Scale 2:1</p>	3,5-6,5 (12-10)	5,7	5134.	•	•					•	0,5	2.500

Splicing terminals

Special terminals

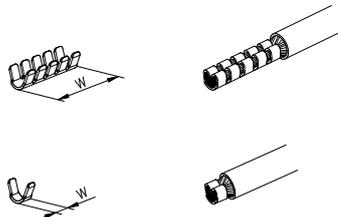
Frontal



Figure	Wire size mm ² (AWG)	W (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
 Scale 2:1	0,3-1,5 (22-16)	5,8	5100.	•		•				•	0,5	30.000
	0,75-2,5 (18-14)		5118.	•		•				•	0,3	
	1,5-3,5 (16-12)		5102.	•		•				•	0,5	
	3,5-6,5 (12-10)		5103.	•	•	•				•	0,5	
	6-10 (10-8)	9	5104.	•	•	•			•	0,8	15.000	
			5106.	•		•					0,8	6.000

Multisplices

Figure	Wire size mm ² (AWG)	W (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
 Scale 2:1	0,5-1,5 (20-16)	1,5x1	5110.	•	•		•	•		•	0,3	90.000
 Scale 2:1	1,5-2,5 (16-14)	1,5x1	5112.	•	•		•	•		•	0,3	75.000
 Scale 2:1	2,5-4 (14-12)	1,5x1	5114.	•	•		•	•		•	0,3	60.000



Special terminals

Wec splices (enamel wire)

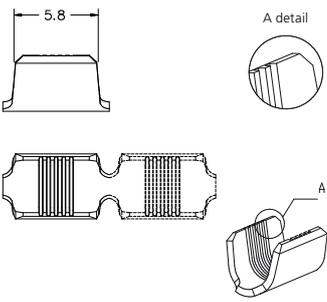
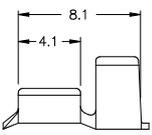
Figure	Wire size mm ² (AWG)	W (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
 <p>Scale 2:1</p>	0,3-1,5 (22-16)		5150.	•		•					0,5	30.000
	0,75-2,5 (18-14)		5152.	•		•						
	1,5-3,5 (16-12)		5154.	•		•						
	3,5-6,5 (12-10)		5156.	•		•						



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
 <p>Scale 2:1</p>	0,2-1,1 (24-18)	2,5-3,8	8920.		•						0,4	10.000



End connectors

Special terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel	
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni			
 Scale 2:1	0,5-0,75 (20-18)		8906.	•		•				•	0,3	40.000	
			8907.	•		•					•		0,25
			8904.	•		•							•
	0,75-2 (18-14)												

 Scale 2:1	0,75-1,5 (18-16)		8910.	•		•				•	0,3	42.000
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Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
 Scale 2:1	0,5-1 (20-18)	2-2,9	8900.	•*		•*				•	0,3	15.000
			8902.	•*		•*						•
	1-2,5 (18-14)	3-4,3										

*DIN 46228



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
 Scale 2:1	0,5-0,75 (20-18)	1,8-2,5	8914.	•		•					0,3	10.000



Special terminals

For rivet terminals

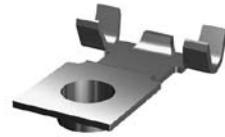


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	22	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Steel Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
	0,3-0,75 (22-18)		3477.			•					0,45	10.000
			3479.			•						

Terminals for spark plugs and distributors



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		
		7	7704.	•		•					0,45	2.500
		7	8804.	•		•					0,45	3.000

Lampholder terminals

Special terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
	0,2-0,6 (24-20)	1,4-2,1	8816.	•	•		•	•			0,4	5.000
	0,5-1,5 (20-16)	2-3,3	8800.	•	•		•	•				4.500
	0,75-1,5 (18-16)		8800K	•	•		•	•				5.000
	1-2 (18-14)	2,5-3,5	8801.	•	•		•	•				4.000

	0,2-0,6 (24-20)	1,4-2,1	8821.	•	•						0,4	6.500
	0,5-1 (20-18)	1,8-2,5	8823.	•	•							5.000

	0,2-0,6 (24-20)	1,4-2,1	8841.	•	•						0,4	6.500
	0,5-1 (20-18)	1,8-2,5	8843.	•	•							5.000



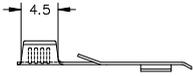
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni	Material thickness (mm)	Parts x reel
				00	01	02	30	31	32	24		
	0,5-0,8 (20-18)	2,1 Máx	8808.	•	•		•	•			0,4	4.500
			8808T	•	•		•	•				
	0,5-1,5 (20-16)	2,5 Máx	8809.	•	•		•	•				
			8809T	•	•		•	•				

Special terminals

Special terminals



Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		



0,5-1,5 (20-16)			3890.	•	•						0,3	7.000
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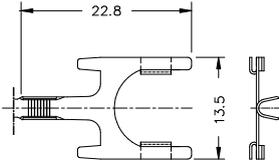
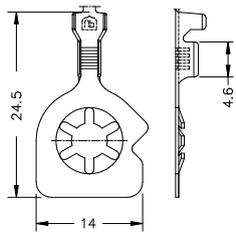
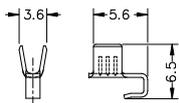


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		

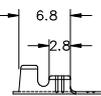


0,3-0,6 (22-20)	1,4-2,1	3540.	•								0,4	5.500
0,5-1 (20-18)	1,8-2,5	3542.	•									5.000

Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Steel Ni		



1-2 (18-14)			8937.							•	0,45	8.000
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0,5-1 (20-18)	2-2,9	8925.								•	0,3	15.000
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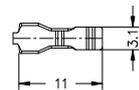
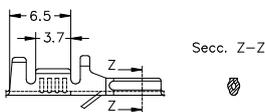
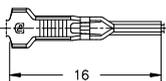


Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	60	Material thickness (mm)	Parts x reel
				Brass	Brass Pre-Sn	Brass Sn	Bronze	Bronze Pre-Sn	Bronze Sn	Stainless steel		



0,5-1 (20-18)	1,8-3,3	8911.								•	0,4	11.000
		8911K								•		

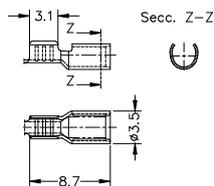


Special terminals

Special terminals



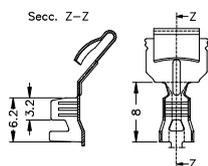
Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	24	Material thickness (mm)	Parts x reel
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0,25-0,75 (24-18)			8506.	•	•					•	0,3	15.000
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Figure	Wire size mm ² (AWG)	Ø Insulation (mm)	Part number	00	01	02	30	31	32	61	Material thickness (mm)	Parts x reel
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0,5-1 (20-18)	1,5-1,9		8805.							•	0,3	4.500
0,75-2,1 (18-14)	1,7-2,7		8806.							•		

Seal joints

Figure	Part number	L.S.R.	Colour	D I M M E N S I O N S									
				A	B	C	D	E	F	G	H	I	
Econoseal series													
	2000412	•	Yellow	1,5		3,0	5,1	4,8		7,8			
	2000417	•	Brown										
Junior timer series													
	2000413	•	Red	0,8	2,6	3,9	2,6	4,3	7,8				
	2000414	•	Yellow	1,5									
	2000418	•	Grey	1,0									1,9
	2000513	•	Red	0,8									1,4
	2000518	•	Grey	1,0									1,9
Super seal series													
	2000211	•	White	1,4	5,4	5,6	3,4	3,9	7,8	4,3	3,5		
	2000216	•	Blue	0,7									
	2000218	•	Grey	2,0									
	2000311	•	White										
	2000316	•	Blue										
150 series													
	2000112	•	Yellow	1,4	5,9	2,4	6,1	3,4	3,9	7,8	4,3	3,5	
	2000113	•	Red	1,8									2,8
	2000114	•	Green	1,0									2,0

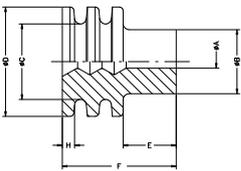
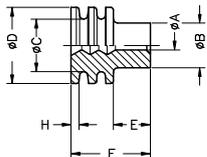
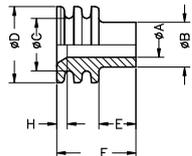
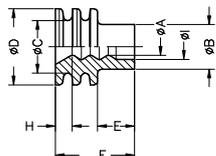
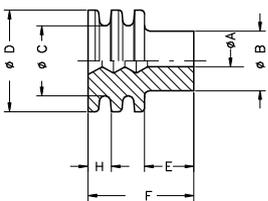
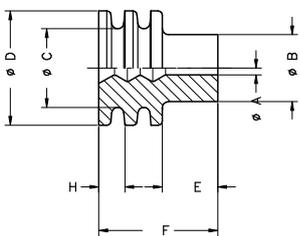
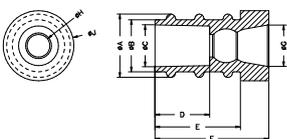
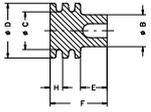
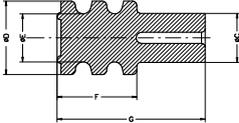
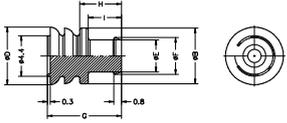
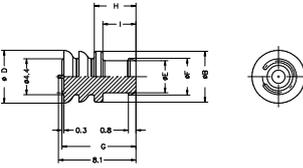
Figure	Part number	L.S.R.	Colour	D I M M E N S I O N S								
				A	B	C	D	E	F	G	H	I
	280 series											
	2001511	•	White	1,25	3,5	3,9	5,75	3,5	7,5	1,0		
	2001513	•	Red	1,60								
2001516	•	Blue	0,85									
	2002813	•	Red	0,85	4,25	5,0	7,25	3,5	7,5	1,0		
	2002819	•	Violet	1,25								
	2002816	•	Blue	3,0	4,25	5,0	7,25	3,5	7,5	1,0		
	2002818	•	Grey	2,4								
	480 series											
	2002814	•	Green	1,6	4,25	5,0	7,25	3,5	7,5	1,6	2,4	
	630 series											
	2004811	•	White	1,6	6,0	6,8	9,05	3,5	7,5	1,6		
	2004812	•	Yellow	0,85								
	2004813	•	Red	2,4								
	2004814	•	Green	3,1								
	2004816	•	Blue									
2004819	•	Violet	3,1	6,0								
	2006313	•	Red	1,55	6,0	8,1	10,35	3,5	7,5	1,6		
	2006314	•	Green	3,75	6,5							
	2006316	•	Blue	3,1	6,0							
	2006318	•	Grey	2,4								
	Seal joints - UP-LOK series											
	2000995	•	Black	5,6	4,6	3,7	4,8	7,5	10,0	3,7	2,0	6,2

Figure	Part number	L.S.R.	Colour	D I M M E N S I O N S									
				A	B	C	D	E	F	G	H	I	
	Seal blockings - 480 series												
	2004895	•	Black		6,0	6,8	9,05	3,5	7,5			1,6	
	Seal blockings - Micro timer series												
	2000491	•	White										
2000591	•				2,6	3,9	2,6	4,3	7,8				
	Seal blockings - Super seal series												
	2000190	•	Transparente					6,2					
	2000191	•	White		5,9			6,1	3,4	3,9	7,8	4,3	3,5
	2000193	•	Red										
	Seal blockings - Junior timer series												
	2000393	•	Red										
	2000397	•	Brown		5,6		5,6	3,4	3,9	7,8	4,3	3,5	

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Conversion AWG/mm²

AWG#	Circ. Mils.	mm ²	AWG#	Circ. Mils.	mm ²
26	238-300	0,12-0,15	4	38900-49100	19,71-24,88
24	315-477	0,16-0,24	2	60100-66800	30,45-33,85
22	600-750	0,30-0,38	1	75800-84000	38,41-42,56
20	1000-1200	0,51-0,61	1/0	9100-105800	50,21-53,61
18	1600-1900	0,81-0,96	2/0	124900-133800	63,69-67,80
16	2400-2830	1,22-1,43	3/0	157600-168000	79,86-85,12
14	3830-4500	1,94-2,28	4/0	198700-212200	100,68-107,52
12	6100-6700	3,09-3,40	250-300-MCM	250000-300000	117-151
10	9000-13100	4,56-6,64	300-350-MCM	300000-350000	151-192
8	13200-16900	6,69-8,56	400-MCM	400000	205
6	22800-30900	11,55-15,66	500-600-MCM	500000-600000	252-304

**All the informations of this catalogue are
subject to change.**

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Design: Joaquim Riera Disseny i Comunicació
Coordination: Gràfiques APR