

Series 56 Selector		Pushbuttons			Indicators			Multi-tone Sound Module				
		Front panel mounting Raised front profile	Front panel mounting Flush front profile	Glass mounting (single sided) Raised front profile	Glass mounting (double sided) Raised front profile	Screwless mounting Flush front profile	Front panel mounting Raised front profile	Front panel mounting Flush front profile	Front panel mounting Raised front profile	Front panel mounting Flush front profile		
<p>Featured here are our most popular product combinations. Other options available on request.</p>												
<b>Mechanical Characteristics</b>												
Actuating travel	~0.5mm		~0.5mm		~0.5mm		~0.5mm		~0.5mm			
Actuating force	6N..12N		6N..12N		6N..12N		6N..12N		6N..12N			
Mechanical lifetime	2Mio. cycles operation		2Mio. cycles operation		2Mio. cycles operation		2Mio. cycles operation		2Mio. cycles operation			
Wire cross-section	4 x 0.5mm <sup>2</sup>		4 x 0.5mm <sup>2</sup>		4 x 0.5mm <sup>2</sup>		4 x 0.5mm <sup>2</sup>		4 x 0.5mm <sup>2</sup>			
Standard connector plug	AMP 6.3 x 0.8 / 2.8 x 0.8		AMP 6.3 x 0.8 / 2.8 x 0.8		AMP 6.3 x 0.8 / 2.8 x 0.8		AMP 6.3 x 0.8 / 2.8 x 0.8		AMP 6.3 x 0.8 / 2.8 x 0.8			
Fixing screws	3 x M4 x 8mm		3 x M4 x 8mm		3 x M4 x 16mm (Glass >4mm)		3 x M4 x 25mm (Glass 4 - 6mm)		Hirschmann GSA3000A			
Tightening torque	80Ncm - 100Ncm		80Ncm - 100Ncm		50Ncm		50Ncm		80Ncm - 100Ncm			
Key (mounting and dismantling)	Hexagon socket wrench size 2.5mm		Hexagon socket wrench size 2.5mm		Hexagon socket wrench size 2.5mm		Hexagon socket wrench size 2.5mm		Hexagon socket wrench size 2.5mm			
Mounting diameter	Ø43.1mm (Ø/+0.3) / Ø65 / M4 (3x120°)		Ø43.1mm (Ø/+0.3) / Ø65 / M4 (3x120°)		Ø62.5mm		Ø62.5mm		Ø59mm			
<b>Material</b>												
Connection cable	Halogene free Polydefine mixture		Halogene free Polydefine mixture		Halogene free Polydefine mixture		Halogene free Polydefine mixture		Halogene free Polydefine mixture			
Lens	Aluminium anodised or Polybutylenterephthalat (PBT), as per UL94 40		Aluminium anodised or Polybutylenterephthalat (PBT), as per UL94 40		Aluminium anodised or Polybutylenterephthalat (PBT), as per UL94 40		Aluminium anodised or Polybutylenterephthalat (PBT), as per UL94 40		Aluminium anodised or Polybutylenterephthalat (PBT), as per UL94 40			
Front bezel	Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 40		Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 40		Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 40		Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 40		Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 40			
Actuator	Polycarbonate (PC), as per UL94 V0		Polycarbonate (PC), as per UL94 V0		Polycarbonate (PC), as per UL94 V0		Polycarbonate (PC), as per UL94 V0		Polycarbonate (PC), as per UL94 V0			
Material of contact	Gold plated silver		Gold plated silver		Gold plated silver		Gold plated silver		Gold plated silver			
<b>Switching System</b>												
Number of contact	1 Normally Open contact, momentary function		1 Normally Open contact, momentary function		1 Normally Open contact, momentary function		1 Normally Open contact, momentary function		1 Normally Open contact, momentary function			
Function	Snap action-switching system		Snap action-switching system		Snap action-switching system		Snap action-switching system		Snap action-switching system			
<b>Electrical Characteristics</b>												
Illumination	Ready status	8 LED green, red or yellow		8 LED green, red or yellow		8 LED green, red or yellow		8 LED green, red or yellow		8 LED green, red or yellow		
Optical switch on status		2 LED green or red		2 LED green or red		2 LED green or red		2 LED green or red		2 LED green or red		
Acoustic	Frequency	24 / 36 / 48 / 72 / 96 / 110VDC		24 / 36 / 48 / 72 / 96 / 110VDC		24 / 36 / 48 / 72 / 96 / 110VDC		24 / 36 / 48 / 72 / 96 / 110VDC		24 / 36 / 48 / 72 / 96 / 110VDC		
Acoustic pressure		min. 5VDC, 5mA		min. 5VDC, 5mA		min. 5VDC, 5mA		min. 5VDC, 5mA		min. 5VDC, 5mA		
Supply voltage		max. 137VDC/VAC, max. 200mA		max. 137VDC/VAC, max. 200mA		max. 137VDC/VAC, max. 200mA		max. 137VDC/VAC, max. 200mA		max. 137VDC/VAC, max. 200mA		
Switch rating		4000VAC, 50 Hz		4000VAC, 50 Hz		4000VAC, 50 Hz		4000VAC, 50 Hz		4000VAC, 50 Hz		
Electric strength against front panel		+25% / -30%		+25% / -30%		+25% / -30%		+25% / -30%		+25% / -30%		
Voltage tolerance		<50mA		<50mA		<50mA		<50mA		<50mA		
Current consumption												
<b>Environmental conditions</b>												
Operating temperature		-40°C...+80°C		-40°C...+80°C		-40°C...+80°C		-40°C...+80°C		-40°C...+80°C		
Storage temperature		-45°C...+90°C		-45°C...+90°C		-45°C...+90°C		-45°C...+90°C		-45°C...+90°C		
Protection	Front side	IP67		IP67		IP67		IP67		IP67		
	Rear side	IP65		IP65		IP65		IP65		IP65		
Climate resistance	EN IEC 60068-2-78	X		X		X		X		X		
Climate resistance	EN IEC 60068-2-30	X		X		X		X		X		
Shock resistance	EN IEC 60068-2-27	X		X		X		X		X		
Vibration resistance	EN IEC 60068-2-6	X		X		X		X		X		
<b>Approvals</b>												
Certificates		CE (including EN 50155) RoHS compliant		CE (including EN 50155) RoHS compliant		CE (including EN 50155) RoHS compliant		CE (including EN 50155) RoHS compliant		CE (including EN 50155) RoHS compliant		
<b>Lens</b>												
Standard symbols (other options available on request)	Symbol colour / Lens colour	Aluminium raised	Aluminium / plastic flush	Symbol colour / Lens colour	Aluminium raised	Aluminium / plastic flush	Symbol colour / Lens colour	Aluminium raised	Aluminium / plastic flush	Symbol colour / Lens colour	Aluminium raised	Aluminium / plastic flush
Door open	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X
Door close	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X	Black Blue Yellow Green Red Natural Aluminium	X	X
Baby carriage	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X
Wheelchair	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X	Black Blue Yellow Green Red Natural Aluminium		X
<b>Accessories</b>												
Front bezel (for front panel mounting)	Colour	87 x 87mm	Ø87mm	Braille	87 x 87mm	Ø87mm	Braille	87 x 87mm	Ø87mm	Braille	87 x 87mm	Ø87mm
	Blue	X	X		X	X		X	X		X	X
	Yellow	X	X		X	X		X	X		X	X
	Green	X	X		X	X		X	X		X	X
	Red	X	X		X	X		X	X		X	X
	Dark grey											
	Light grey											
	Orange											
	Black											
	Matt chrome plated	X	X		X	X		X	X		X	X
<b>Options</b>												
Choice of cable length		X			X			X			X	
Choice of connector plugs		X			X			X			X	
Non illuminated versions		X			X			X			X	
Choice of illumination colours		X			X			X			X	
Choice of lens types		X			X			X			X	
1NO / 1NC versions		X			X			X			X	
Flashing indicator												
Choice of symbols		X			X			X			X	
Choice of text		X			X			X			X	
Up to five customised tone sequences												