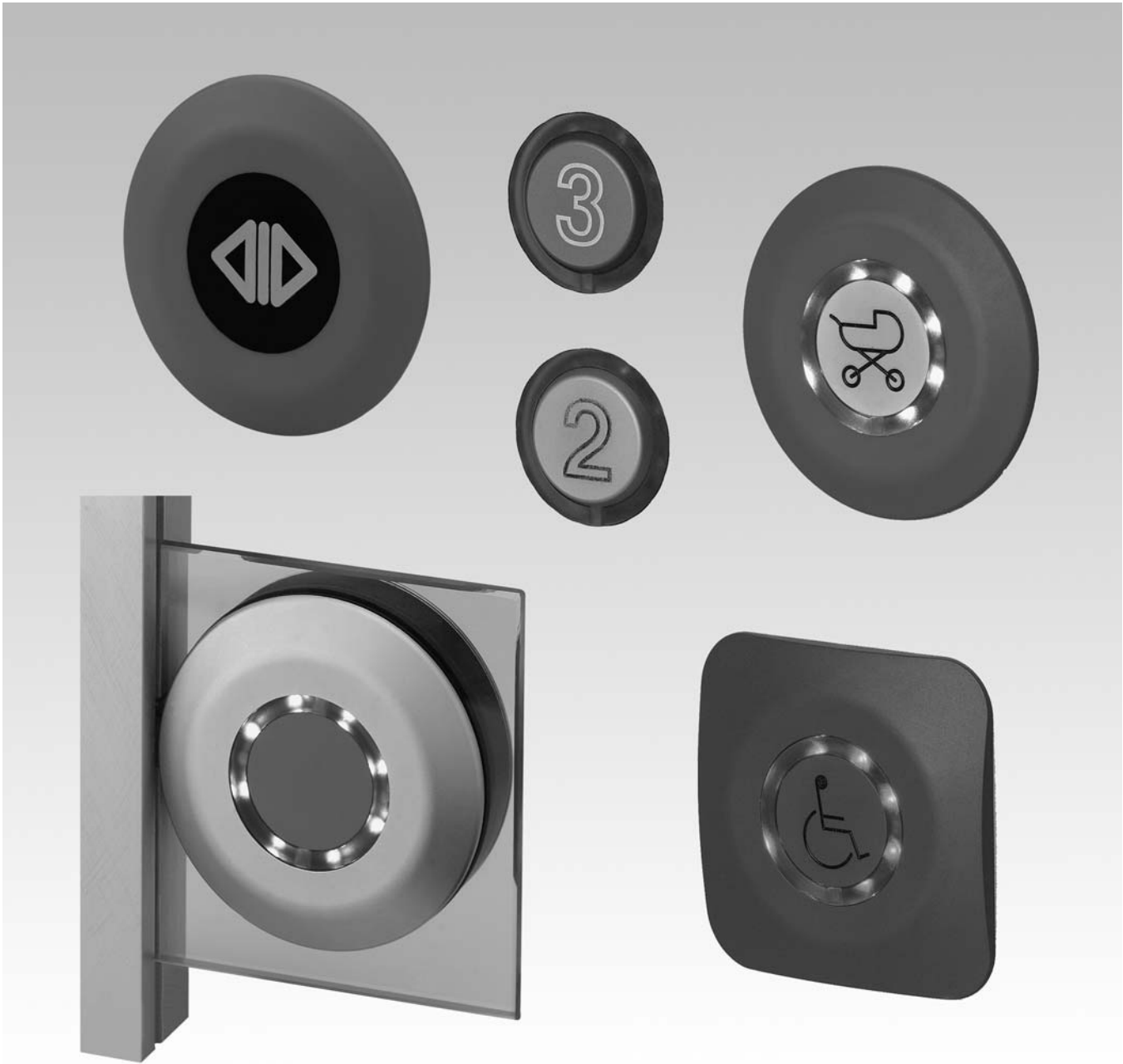




EAO Product Information

Series 56



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Product Information**General notes**

The series 56 is designed as a **door pushbutton** for public transport applications. We have implemented an excellent tactile feedback - our common mechanical switch!

The pushbutton consists of a switching unit with LED illumination, lens and connection cable. If you use the front panel mounting, the screws are covered by the raised front bezel. If a flush mounted version is needed, you don't need the front bezel and can be mounted easily from the back side.

The door open pushbutton can be mounted either as a **double** or as a **single** pushbutton function. For covering the fixing screws, the round front bezel is needed.

Additional to the push-buttons, the range is completed by **flush** or **raised conical indicator**. The raised conical indicators offer high-visibility illumination even from a distance or from side view with a wide angle of 180 ° circumferential visibility.

Luminosity and wave length scattering caused by the technology used in the LED manufacturing processes may lead to visual differences in our products.

Anodized aluminium parts can have visible variations due production-technical reasons.

Multi-Tone Sound Module

The Sound Module MTSM can be programmed (customized tone sequences are provided when desired by EAO or directly by the customer by means of a tone editor program), to emit a clear warning sound adapted to a particular operating environment.

Up to five different tone sequences can be played in any sequence at different volumes, durations and intervals to create a unique sequence. A set of standard sounds is pre-programmed for equipment in Transport and Machinery applications.

The Sound Module shares the same design and dimensions of other Series 56 product.

Fast front mounting into panel with 3 fixing screws (supplied).

Specimen orderSingle side pushbutton :

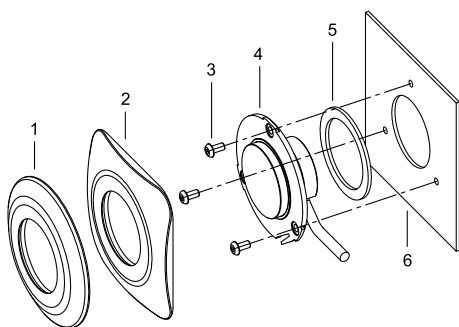
- Single side pushbutton, front panel mounting, lens alu blue raised, LED 8 green 2 red, 24 VDC, cable 200 mm with plug-in housing 2.8 x 0.8 mm 56-130.22.200.21.04

Essential accessories :

- Front bezel metal mat-chrom plated, 87 mm dia. 56-3600

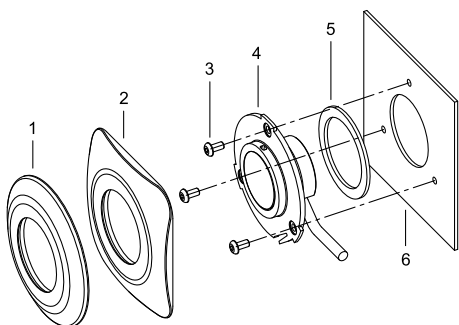
*We reserve the right to modify technical data
All dimensions in mm*

Single side indicator and Multi-Tone Sound Module, front panel mounting, raised mounting



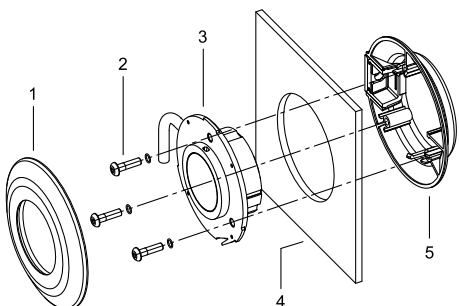
- 1 Front bezel round
- 2 Front bezel square
- 3 Rounded head screw hexagon socket M4 x 8 mm
(longer screws available on request)
- 4 Indicator- and MTSM unit complete
- 5 Sealing
- 6 Front panel

Single side pushbutton, front panel mounting, raised mounting



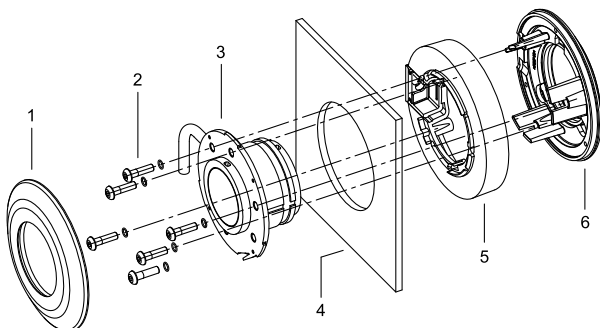
- 1 Front bezel round
- 2 Front bezel square
- 3 Rounded head screw hexagon socket M4 x 8 mm
(longer screws available on request)
- 4 Switching unit complete
- 5 Sealing
- 6 Front panel

Single side pushbutton, glass mounting, raised mounting



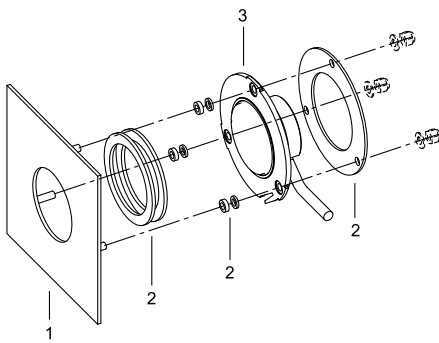
- 1 Front bezel round
- 2 Rounded hexagon screw socket M4 x 16 (M4 x 20) with O-ring seal
- 3 Switching unit complete
- 4 Glass
- 5 Cover

Double side pushbutton, glass mounting, raised mounting



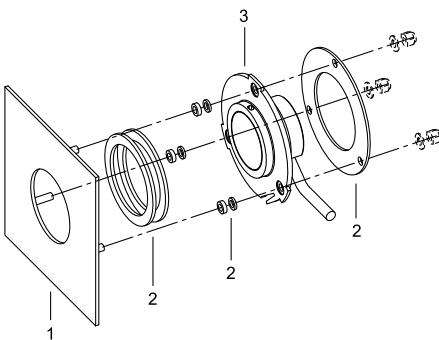
- 1 Front bezel round
- 2 Rounded hexagon screw socket M4 x 25 with O-ring seal
- 3 Switching unit complete
- 4 Glass
- 5 Flange
- 6 Cover

Single side indicator and Multi-Tone Sound Module, front panel mounting, flush mounting



- 1 Front panel
- 2 Seals, spacers and reinforcement plate
(see Mounting set Nr. 56-991)
- 3 Indicator- and MTSM unit complete

Single side pushbutton, front panel mounting, flush mounting



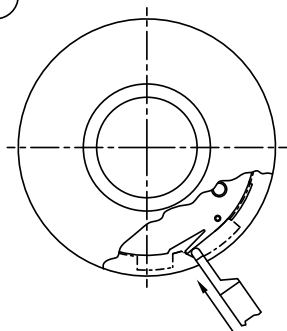
- 1 Front panel
- 2 Seals, spacers and reinforcement plate
(see Mounting set Nr. 56-991)
- 3 Switching unit complete

Mounting instruction

Single side indicator and Single side switch, panel mounting | Double side switch, glass mounting

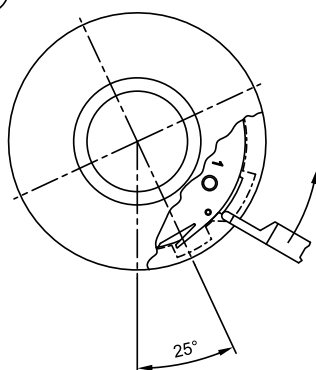
Dismantling tool

1



push Dismantling tool
Nr. 56-998 into opening

2



turn approx. 25°
anti-clockwise

Single side indicator, front panel mounting

Indicator unit usable with front bezel : $\varnothing 87 \times 87$ mm | 87 mm dia.



Essential Accessories:

Front bezel page 22

	Front protection	Illumination	Marking	Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side indicator, front panel mounting Operating voltage : 24 VDC	IP 67	LED blue	1 line	56-8213.91	1	3	5	5	0.045
			2 lines	56-8213.92	1	3	5	5	0.045
			3 lines	56-8213.93	1	3	5	5	0.045
			symbol	56-8213.90	1	3	5	5	0.045
			without	56-8213.8	1	3	5	5	0.045
		LED green	1 line	56-2213.91	1	3	5	5	0.045
			2 lines	56-2213.92	1	3	5	5	0.045
			3 lines	56-2213.93	1	3	5	5	0.045
			symbol	56-2213.90	1	3	5	5	0.045
			without	56-2213.8	1	3	5	5	0.045
		LED red	1 line	56-3213.91	1	3	5	5	0.045
			2 lines	56-3213.92	1	3	5	5	0.045
			3 lines	56-3213.93	1	3	5	5	0.045
			symbol	56-3213.90	1	3	5	5	0.045
			without	56-3213.8	1	3	5	5	0.045
		LED white	without	56-9213.8	1	3	5	5	0.045
		LED yellow	1 line	56-6213.91	1	3	5	5	0.045
			2 lines	56-6213.92	1	3	5	5	0.045
			3 lines	56-6213.93	1	3	5	5	0.045
			symbol	56-6213.90	1	3	5	5	0.045
			without	56-6213.8	1	3	5	5	0.045

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Other options on request :

Special cable length; special plug-in housing

Operation voltage : 110 VDC

Film inserts :

For layout possibilities and price clarifications contact our distributor or subsidiary

In addition the following data are necessary :

1. Text (standard lettering Arial, other lettering on request)
2. Text illumination color (green, yellow, red or blue, background black)
3. Mounting position
4. Symbols with sketch, sample or DXF file

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side indicator raised, front panel mounting

Indicator unit usable with front bezel : $\varnothing$ 87 x 87 mm | 87 mm dia.



Essential Accessories:
Front bezel page 22

	Front protection	Lens cap	Illumination	Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side indicator raised, front panel mounting Operating voltage : 110 VDC	IP 67	Plastic colourless raised	LED blue	56-8913.70	1	3	7	5	0.040
			LED green	56-2913.70	1	3	7	5	0.040
			LED orange	56-4913.70	1	3	7	5	0.040
			LED red	56-3913.70	1	3	7	5	0.040
			LED white	56-9913.70	1	3	7	5	0.040
			LED yellow	56-6913.70	1	3	7	5	0.040
Operating voltage : 24 VDC	IP 67	Plastic colourless raised	LED blue	56-8213.70	1	3	7	5	0.040
			LED green	56-2213.70	1	3	7	5	0.040
			LED orange	56-4213.70	1	3	7	5	0.040
			LED red	56-3213.70	1	3	7	5	0.040
			LED white	56-9213.70	1	3	7	5	0.040
			LED yellow	56-6213.70	1	3	7	5	0.040

Standard version :
Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm
Other options on request :
Special cable length; special plug-in housing
Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Multi-Tone Sound Module, front panel mounting



	Front protection	Front bezel	Speaker cap	Marking	Tone sequence	⌀ 87 x 87 mm Typ-Nr.	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Multi-Tone Sound Module, front panel mounting Operating voltage : 24 VDC	IP 69K	Metal mat-chrome	Plastic black flush	Symbol	T	56-61011-00.12		4	3	9	4	0.142
			Plastic black raised	Symbol	M	56-61011-00.7		4	3	10	4	0.145
				without	M	56-61001-00.6		4	3	10	4	0.145
					T	56-61001-00.11		4	3	10	4	0.145
		Plastic blue	Plastic black flush	Symbol	T	56-61011-00.11		4	3	9	4	0.083
			Plastic black raised	Symbol	M	56-61011-00.6		4	3	10	4	0.086
				without	M	56-61001-00.5		4	3	10	4	0.086
					T	56-61001-00.10		4	3	10	4	0.086
		Plastic green	Plastic black flush	Symbol	T	56-61011-00.10		4	3	9	4	0.083
			Plastic black raised	Symbol	M	56-61011-00.5		4	3	10	4	0.086
				without	M	56-61001-00.4		4	3	10	4	0.086
					T	56-61001-00.9		4	3	10	4	0.086
		Plastic red	Plastic black flush	Symbol	T	56-61011-00.8		4	3	9	4	0.083
			Plastic black raised	Symbol	M	56-61011-00.3		4	3	10	4	0.086
				without	M	56-61001-00.2		4	3	10	4	0.086
					T	56-61001-00.7		4	3	10	4	0.086
		Plastic yellow	Plastic black flush	Symbol	T	56-61011-00.9		4	3	9	4	0.083
			Plastic black raised	Symbol	M	56-61011-00.4		4	3	10	4	0.086
				without	M	56-61001-00.3		4	3	10	4	0.086
					T	56-61001-00.8		4	3	10	4	0.086
		Metal mat-chrome	Plastic black flush	Symbol	T		56-61011-00.26	4	3	9	4	0.127
			Plastic black raised	Symbol	M		56-61011-00.19	4	3	10	4	0.130
				without	M		56-61001-00.18	4	3	10	4	0.130
					T		56-61001-00.25	4	3	10	4	0.130
		Plastic black	Plastic black flush	Symbol	T		56-61011-00.21	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.14	4	3	10	4	0.078
				without	M		56-61001-00.13	4	3	10	4	0.078
					T		56-61001-00.20	4	3	10	4	0.078
		Plastic blue	Plastic black flush	Symbol	T		56-61011-00.25	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.18	4	3	10	4	0.078
				without	M		56-61001-00.17	4	3	10	4	0.078
					T		56-61001-00.24	4	3	10	4	0.078
		Plastic green	Plastic black flush	Symbol	T		56-61011-00.23	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.16	4	3	10	4	0.078
				without	M		56-61001-00.15	4	3	10	4	0.078
					T		56-61001-00.22	4	3	10	4	0.078
		Plastic orange	Plastic black flush	Symbol	T		56-61011-00.24	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.17	4	3	10	4	0.078
				without	M		56-61001-00.16	4	3	10	4	0.078
					T		56-61001-00.23	4	3	10	4	0.078

Continuation see next page

Continued from previous page

	Front protection	Front bezel	Speaker cap	Marking	Tone sequence	Ø 87 x 87 mm Typ-Nr.	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Multi-Tone Sound Module, front panel mounting Operating voltage : 24 VDC	IP 69K	Plastic red	Plastic black flush	Symbol	T		56-61011-00.20	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.13	4	3	10	4	0.078
				without	M		56-61001-00.12	4	3	10	4	0.078
					T		56-61001-00.19	4	3	10	4	0.078
		Plastic yellow	Plastic black flush	Symbol	T		56-61011-00.22	4	3	9	4	0.078
			Plastic black raised	Symbol	M		56-61011-00.15	4	3	10	4	0.078
				without	M		56-61001-00.14	4	3	10	4	0.078
					T		56-61001-00.21	4	3	10	4	0.078

Standard version :

Cable length 200 mm; without connector

Detailed data concerning the MTSM 56 module you find in the section of "Typical Applications"

Other options on request :

Special cable length; special plug-in housing

Tone sequence: T = Transportation 1-5, M = Machinery 6-10

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side pushbutton, front panel mounting

Lens can be marked

Pushbutton unit usable with front bezel : $\varnothing$ 87 x 87 mm | 87 mm dia.



Essential Accessories:

Front bezel page 22

	Front protection	Lens	Colour	Display	Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, front panel mounting Operating voltage : 24 VDC	IP 67	Aluminium blue raised	-	LED 8 green	56-130.22.200.23.04	2	2	4	2	0.100
				LED 8 green 2 red	56-130.22.200.21.04	2	2	4	1	0.100
				LED 8 red	56-130.22.200.24.04	2	2	4	2	0.100
				LED 8 red 2 green	56-130.22.200.22.04	2	2	4	1	0.100
				LED 8 yellow	56-130.22.200.25.04	2	2	4	2	0.100
				without	56-030.04.200.00.04	3	2	4	3	0.100
		Aluminium green raised	-	LED 8 green	56-130.22.200.23.03	2	2	4	2	0.100
				LED 8 green 2 red	56-130.22.200.21.03	2	2	4	1	0.100
				LED 8 red	56-130.22.200.24.03	2	2	4	2	0.100
				LED 8 red 2 green	56-130.22.200.22.03	2	2	4	1	0.100
				LED 8 yellow	56-130.22.200.25.03	2	2	4	2	0.100
				without	56-030.04.200.00.03	3	2	4	3	0.100
		Aluminium naturel flush	-	LED 8 green	56-120.22.200.23.05	2	2	4	2	0.100
				LED 8 green 2 red	56-120.22.200.21.05	2	2	4	1	0.100
				LED 8 red	56-120.22.200.24.05	2	2	4	2	0.100
				LED 8 red 2 green	56-120.22.200.22.05	2	2	4	1	0.100
				LED 8 yellow	56-120.22.200.25.05	2	2	4	2	0.100
				without	56-020.04.200.00.05	3	2	4	3	0.100
		Aluminium naturel raised	-	LED 8 green	56-130.22.200.23.05	2	2	4	2	0.100
				LED 8 green 2 red	56-130.22.200.21.05	2	2	4	1	0.100
				LED 8 red	56-130.22.200.24.05	2	2	4	2	0.100
				LED 8 red 2 green	56-130.22.200.22.05	2	2	4	1	0.100
				LED 8 yellow	56-130.22.200.25.05	2	2	4	2	0.100
				without	56-030.04.200.00.05	3	2	4	3	0.100
		Aluminium red raised	-	LED 8 green	56-130.22.200.23.01	2	2	4	2	0.100
				LED 8 green 2 red	56-130.22.200.21.01	2	2	4	1	0.100
				LED 8 red	56-130.22.200.24.01	2	2	4	2	0.100
				LED 8 red 2 green	56-130.22.200.22.01	2	2	4	1	0.100
				LED 8 yellow	56-130.22.200.25.01	2	2	4	2	0.100
				without	56-030.04.200.00.01	3	2	4	3	0.100
		Aluminium yellow raised	-	LED 8 green	56-130.22.200.23.02	2	2	4	2	0.100
				LED 8 green 2 red	56-130.22.200.21.02	2	2	4	1	0.100
				LED 8 red	56-130.22.200.24.02	2	2	4	2	0.100
				LED 8 red 2 green	56-130.22.200.22.02	2	2	4	1	0.100
				LED 8 yellow	56-130.22.200.25.02	2	2	4	2	0.100
				without	56-030.04.200.00.02	3	2	4	3	0.100

Continuation see next page

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	Front protection	Lens	Colour	Display	Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, front panel mounting Operating voltage : 24 VDC	IP 67	Plastic blue flush	RAL 5017	LED 8 green	56-110.22.200.23.04	2	2	4	2	0.100
				LED 8 green 2 red	56-110.22.200.21.04	2	2	4	1	0.100
				LED 8 red	56-110.22.200.24.04	2	2	4	2	0.100
				LED 8 red 2 green	56-110.22.200.22.04	2	2	4	1	0.100
				LED 8 yellow	56-110.22.200.25.04	2	2	4	2	0.100
				without	56-010.04.200.00.04	3	2	4	3	0.100
		Plastic green flush	RAL 6024	LED 8 green	56-110.22.200.23.03	2	2	4	2	0.100
				LED 8 green 2 red	56-110.22.200.21.03	2	2	4	1	0.100
				LED 8 red	56-110.22.200.24.03	2	2	4	2	0.100
				LED 8 red 2 green	56-110.22.200.22.03	2	2	4	1	0.100
				LED 8 yellow	56-110.22.200.25.03	2	2	4	2	0.100
				without	56-010.04.200.00.03	3	2	4	3	0.100
		Plastic red flush	RAL 3020	LED 8 green	56-110.22.200.23.01	2	2	4	2	0.100
				LED 8 green 2 red	56-110.22.200.21.01	2	2	4	1	0.100
				LED 8 red	56-110.22.200.24.01	2	2	4	2	0.100
				LED 8 red 2 green	56-110.22.200.22.01	2	2	4	1	0.100
				LED 8 yellow	56-110.22.200.25.01	2	2	4	2	0.100
				without	56-010.04.200.00.01	3	2	4	3	0.100
		Plastic yellow flush	RAL 1023	LED 8 green	56-110.22.200.23.02	2	2	4	2	0.100
				LED 8 green 2 red	56-110.22.200.21.02	2	2	4	1	0.100
				LED 8 red	56-110.22.200.24.02	2	2	4	2	0.100
				LED 8 red 2 green	56-110.22.200.22.02	2	2	4	1	0.100
				LED 8 yellow	56-110.22.200.25.02	2	2	4	2	0.100
				without	56-010.04.200.00.02	3	2	4	3	0.100

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Other options on request :

Special cable length; special plug-in housing

Special colour of lens; operation voltage : 36 | 48 | 72 | 110 VDC

Various symbols

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side pushbutton, glass mounting



Essential Accessories:

Front bezel page 22

	Front protection	Lens	Colour	Display	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, glass mounting Operating voltage : 24 VDC	IP 67	Aluminium blue raised	-	LED 8 green	56-2213.4600G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.4600G	2	7	13	1	0.045
				LED 8 red	56-3213.4600G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.4600G	2	7	13	1	0.045
				without	56-5013.4600G	3	7	13	3	0.045
		Aluminium green raised	-	LED 8 green	56-2213.4500G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.4500G	2	7	13	1	0.045
				LED 8 red	56-3213.4500G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.4500G	2	7	13	1	0.045
				without	56-5013.4500G	3	7	13	3	0.045
		Aluminium naturel flush	-	LED 8 green	56-2213.2600G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.2600G	2	7	13	1	0.045
				LED 8 red	56-3213.2600G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.2600G	2	7	13	1	0.045
				without	56-5013.2600G	3	7	13	3	0.045
		Aluminium naturel raised	-	LED 8 green	56-2213.4800G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.4800G	2	7	13	1	0.045
				LED 8 red	56-3213.4800G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.4800G	2	7	13	1	0.045
				without	56-5013.4800G	3	7	13	3	0.045
		Aluminium red raised	-	LED 8 green	56-2213.4200G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.4200G	2	7	13	1	0.045
				LED 8 red	56-3213.4200G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.4200G	2	7	13	1	0.045
				without	56-5013.4200G	3	7	13	3	0.045
		Aluminium yellow raised	-	LED 8 green	56-2213.4400G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.4400G	2	7	13	1	0.045
				LED 8 red	56-3213.4400G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.4400G	2	7	13	1	0.045
				without	56-5013.4400G	3	7	13	3	0.045
		Plastic blue flush	RAL 5017	LED 8 green	56-2213.1600G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.1600G	2	7	13	1	0.045
				LED 8 red	56-3213.1600G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.1600G	2	7	13	1	0.045
				without	56-5013.1600G	3	7	13	3	0.045

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	Front protection	Lens	Colour	Display	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, glass mounting Operating voltage : 24 VDC	IP 67	Plastic green flush	RAL 6024	LED 8 green	56-2213.1500G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.1500G	2	7	13	1	0.045
				LED 8 red	56-3213.1500G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.1500G	2	7	13	1	0.045
				without	56-5013.1500G	3	7	13	3	0.045
		Plastic red flush	RAL 3020	LED 8 green	56-2213.1200G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.1200G	2	7	13	1	0.045
				LED 8 red	56-3213.1200G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.1200G	2	7	13	1	0.045
				without	56-5013.1200G	3	7	13	3	0.045
		Plastic yellow flush	RAL 1023	LED 8 green	56-2213.1400G	2	7	13	2	0.045
				LED 8 green 2 red	56-1213.1400G	2	7	13	1	0.045
				LED 8 red	56-3213.1400G	2	7	13	2	0.045
				LED 8 red 2 green	56-4213.1400G	2	7	13	1	0.045
				without	56-5013.1400G	3	7	13	3	0.045

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Additional options on request:

Special cable length; special plug-in housing

Special colour of lens; operation voltage : 36 | 48 | 72 | 110 VDC

Various symbols

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Double side pushbutton, glass mounting



Essential Accessories:

-  Front bezel page 22
-  Front bezel round, internal page 22

	Front protection	Lens	Colour	Display	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Double side pushbutton, glass mounting Operating voltage : 24 VDC	IP 67	Aluminium blue raised	-	LED 16 green	56-2213.460046	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.460046	2	7	14	1	0.175
				LED 16 red	56-3213.460046	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.460046	2	7	14	1	0.175
				without	56-5013.460046	3	7	14	3	0.175
		Aluminium green raised	-	LED 16 green	56-2213.450045	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.450045	2	7	14	1	0.175
				LED 16 red	56-3213.450045	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.450045	2	7	14	1	0.175
				without	56-5013.450045	3	7	14	3	0.175
		Aluminium naturel flush	-	LED 16 green	56-2213.260026	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.260026	2	7	14	1	0.175
				LED 16 red	56-3213.260026	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.260026	2	7	14	1	0.175
				without	56-5013.260026	3	7	14	3	0.175
		Aluminium naturel raised	-	LED 16 green	56-2213.480048	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.480048	2	7	14	1	0.175
				LED 16 red	56-3213.480048	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.480048	2	7	14	1	0.175
				without	56-5013.480048	3	7	14	3	0.175
		Aluminium red raised	-	LED 16 green	56-2213.420042	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.420042	2	7	14	1	0.175
				LED 16 red	56-3213.420042	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.420042	2	7	14	1	0.175
				without	56-5013.420042	3	7	14	3	0.175
		Aluminium yellow raised	-	LED 16 green	56-2213.440044	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.440044	2	7	14	1	0.175
				LED 16 red	56-3213.440044	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.440044	2	7	14	1	0.175
				without	56-5013.440044	3	7	14	3	0.175
		Plastic blue flush	RAL 5017	LED 16 green	56-2213.160016	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.160016	2	7	14	1	0.175
				LED 16 red	56-3213.160016	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.160016	2	7	14	1	0.175
				without	56-5013.160016	3	7	14	3	0.175

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	Front protection	Lens	Colour	Display	Ø 87 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Double side pushbutton, glass mounting Operating voltage : 24 VDC	IP 67	Plastic green flush	RAL 6024	LED 16 green	56-2213.150015	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.150015	2	7	14	1	0.175
				LED 16 red	56-3213.150015	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.150015	2	7	14	1	0.175
				without	56-5013.150015	3	7	14	3	0.175
		Plastic red flush	RAL 3020	LED 16 green	56-2213.120012	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.120012	2	7	14	1	0.175
				LED 16 red	56-3213.120012	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.120012	2	7	14	1	0.175
				without	56-5013.120012	3	7	14	3	0.175
		Plastic yellow flush	RAL 1023	LED 16 green	56-2213.140014	2	7	14	2	0.175
				LED 16 green 4 red	56-1213.140014	2	7	14	1	0.175
				LED 16 red	56-3213.140014	2	7	14	2	0.175
				LED 16 red 4 green	56-4213.140014	2	7	14	1	0.175
				without	56-5013.140014	3	7	14	3	0.175

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Additional options on request:

Special cable length; special plug-in housing

Special colour of lens; operation voltage : 36 | 48 | 72 | 110 VDC

Various symbols

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side indicator, front panel mounting, flush mounting



	Front protection	Illumination	Marking	Ø 43 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side indicator, front panel mounting, flush mounting Operating voltage : 24 VDC	IP 67	LED blue	1 line	56-8213.91	1	4	6	5	0.045
			2 lines	56-8213.92	1	4	6	5	0.045
			3 lines	56-8213.93	1	4	6	5	0.045
			symbol	56-8213.90	1	4	6	5	0.045
			without	56-8213.8	1	4	6	5	0.045
		LED green	1 line	56-2213.91	1	4	6	5	0.045
			2 lines	56-2213.92	1	4	6	5	0.045
			3 lines	56-2213.93	1	4	6	5	0.045
			symbol	56-2213.90	1	4	6	5	0.045
			without	56-2213.8	1	4	6	5	0.045
		LED red	1 line	56-3213.91	1	4	6	5	0.045
			2 lines	56-3213.92	1	4	6	5	0.045
			3 lines	56-3213.93	1	4	6	5	0.045
			symbol	56-3213.90	1	4	6	5	0.045
			without	56-3213.8	1	4	6	5	0.045
		LED white	without	56-9213.8	1	4	6	5	0.045
		LED yellow	1 line	56-6213.91	1	4	6	5	0.045
			2 lines	56-6213.92	1	4	6	5	0.045
			3 lines	56-6213.93	1	4	6	5	0.045
			symbol	56-6213.90	1	4	6	5	0.045
			without	56-6213.8	1	4	6	5	0.045

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Other options on request :

Special cable length; special plug-in housing

Operation voltage : 110 VDC

Film inserts :

For layout possibilities and price clarifications contact our distributor or subsidiary

In addition the following data are necessary :

1. Text (standard lettering Arial, other lettering on request)
2. Text illumination color (green, yellow, red or blue, background black)
3. Mounting position
4. Symbols with sketch, sample or DXF file

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side indicator raised, front panel mounting, flush mounting



	Front protection	Lens cap	Illumination	Ø 43 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side indicator raised, front panel mounting, flush mounting Operating voltage : 110 VDC	IP 67	Plastic colourless	LED blue	56-8913.70	1	4	8	5	0.040
			LED green	56-2913.70	1	4	8	5	0.040
			LED orange	56-4913.70	1	4	8	5	0.040
			LED red	56-3913.70	1	4	8	5	0.040
			LED white	56-9913.70	1	4	8	5	0.040
			LED yellow	56-6913.70	1	4	8	5	0.040
Operating voltage : 24 VDC	IP 67	Plastic colourless	LED blue	56-8213.70	1	4	8	5	0.040
			LED green	56-2213.70	1	4	8	5	0.040
			LED orange	56-4213.70	1	4	8	5	0.040
			LED red	56-3213.70	1	4	8	5	0.040
			LED white	56-9213.70	1	4	8	5	0.040
			LED yellow	56-6213.70	1	4	8	5	0.040

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Other options on request :

Special cable length; special plug-in housing

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Multi-Tone Sound Module, front panel mounting, flush mounting



	Front protection	Speaker cap	Marking	Tone sequence	Ø 43 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Multi-Tone Sound Module, front panel mounting, flush mounting Operating voltage : 24 VDC	IP 69K	Plastic black flush	Symbol	M	56-61010-00.9	4	4	11	4	0.057
				T	56-61010-00.7	4	4	11	4	0.057
			without	M	56-61000-00.10	4	4	11	4	0.057
				T	56-61000-00.8	4	4	11	4	0.057
		Plastic black raised	Symbol	M	56-61010-00.8	4	4	12	4	0.060
				T	56-61010-00.6	4	4	12	4	0.060
			without	M	56-61000-00.9	4	4	12	4	0.060
				T	56-61000-00.7	4	4	12	4	0.060

Standard version :

Cable length 200 mm; without connector

Detailed data concerning the MTSM 56 module you find in the section of "Typical Applications"

Other options on request :

Special cable length; special plug-in housing

Tone sequence: M = Machinery 6-10, T = Transportation 1-5

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Single side pushbutton, front panel mounting, flush mounting

Lens can be marked

Pushbutton unit usable with front bezel : $\varnothing$ 87 x 87 mm | 87 mm dia.



	Front protection	Lens	Colour	Display	Ø 43 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, front panel mounting, flush mounting Operating voltage : 24 VDC	IP 67	Aluminium blue raised	-	LED 8 green	56-130.22.200.23.04	2	1	3	2	0.100
				LED 8 green 2 red	56-130.22.200.21.04	2	1	3	1	0.100
				LED 8 red	56-130.22.200.24.04	2	1	3	2	0.100
				LED 8 red 2 green	56-130.22.200.22.04	2	1	3	1	0.100
				LED 8 yellow	56-130.22.200.25.04	2	1	3	2	0.100
				without	56-030.04.200.00.04	3	1	3	3	0.100
		Aluminium green raised	-	LED 8 green	56-130.22.200.23.03	2	1	3	2	0.100
				LED 8 green 2 red	56-130.22.200.21.03	2	1	3	1	0.100
				LED 8 red	56-130.22.200.24.03	2	1	3	2	0.100
				LED 8 red 2 green	56-130.22.200.22.03	2	1	3	1	0.100
				LED 8 yellow	56-130.22.200.25.03	2	1	3	2	0.100
				without	56-030.04.200.00.03	3	1	3	3	0.100
		Aluminium naturel flush	-	LED 8 green	56-120.22.200.23.05	2	1	3	2	0.100
				LED 8 green 2 red	56-120.22.200.21.05	2	1	3	1	0.100
				LED 8 red	56-120.22.200.24.05	2	1	3	2	0.100
				LED 8 red 2 green	56-120.22.200.22.05	2	1	3	1	0.100
				LED 8 yellow	56-120.22.200.25.05	2	1	3	2	0.100
				without	56-020.04.200.00.05	3	1	3	3	0.100
		Aluminium naturel raised	-	LED 8 green	56-130.22.200.23.05	2	1	3	2	0.100
				LED 8 green 2 red	56-130.22.200.21.05	2	1	3	1	0.100
				LED 8 red	56-130.22.200.24.05	2	1	3	2	0.100
				LED 8 red 2 green	56-130.22.200.22.05	2	1	3	1	0.100
				LED 8 yellow	56-130.22.200.25.05	2	1	3	2	0.100
				without	56-030.04.200.00.05	3	1	3	3	0.100
		Aluminium red raised	-	LED 8 green	56-130.22.200.23.01	2	1	3	2	0.100
				LED 8 green 2 red	56-130.22.200.21.01	2	1	3	1	0.100
				LED 8 red	56-130.22.200.24.01	2	1	3	2	0.100
				LED 8 red 2 green	56-130.22.200.22.01	2	1	3	1	0.100
				LED 8 yellow	56-130.22.200.25.01	2	1	3	2	0.100
				without	56-030.04.200.00.01	3	1	3	3	0.100
		Aluminium yellow raised	-	LED 8 green	56-130.22.200.23.02	2	1	3	2	0.100
				LED 8 green 2 red	56-130.22.200.21.02	2	1	3	1	0.100
				LED 8 red	56-130.22.200.24.02	2	1	3	2	0.100
				LED 8 red 2 green	56-130.22.200.22.02	2	1	3	1	0.100
				LED 8 yellow	56-130.22.200.25.02	2	1	3	2	0.100
				without	56-030.04.200.00.02	3	1	3	3	0.100

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	Front protection	Lens	Colour	Display	Ø 43 mm Typ-Nr.	Component layout	Mounting dimensions	Technical drawing	Circuit drawing	
Single side pushbutton, front panel mounting, flush mounting Operating voltage : 24 VDC	IP 67	Plastic blue flush	RAL 5017	LED 8 green	56-110.22.200.23.04	2	1	3	2	0.100
				LED 8 green 2 red	56-110.22.200.21.04	2	1	3	1	0.100
				LED 8 red	56-110.22.200.24.04	2	1	3	2	0.100
				LED 8 red 2 green	56-110.22.200.22.04	2	1	3	1	0.100
				LED 8 yellow	56-110.22.200.25.04	2	1	3	2	0.100
				without	56-010.04.200.00.04	3	1	3	3	0.100
		Plastic green flush	RAL 6024	LED 8 green	56-110.22.200.23.03	2	1	3	2	0.100
				LED 8 green 2 red	56-110.22.200.21.03	2	1	3	1	0.100
				LED 8 red	56-110.22.200.24.03	2	1	3	2	0.100
				LED 8 red 2 green	56-110.22.200.22.03	2	1	3	1	0.100
				LED 8 yellow	56-110.22.200.25.03	2	1	3	2	0.100
				without	56-010.04.200.00.03	3	1	3	3	0.100
		Plastic red flush	RAL 3020	LED 8 green	56-110.22.200.23.01	2	1	3	2	0.100
				LED 8 green 2 red	56-110.22.200.21.01	2	1	3	1	0.100
				LED 8 red	56-110.22.200.24.01	2	1	3	2	0.100
				LED 8 red 2 green	56-110.22.200.22.01	2	1	3	1	0.100
				LED 8 yellow	56-110.22.200.25.01	2	1	3	2	0.100
				without	56-010.04.200.00.01	3	1	3	3	0.100
		Plastic yellow flush	RAL 1023	LED 8 green	56-110.22.200.23.02	2	1	3	2	0.100
				LED 8 green 2 red	56-110.22.200.21.02	2	1	3	1	0.100
				LED 8 red	56-110.22.200.24.02	2	1	3	2	0.100
				LED 8 red 2 green	56-110.22.200.22.02	2	1	3	1	0.100
				LED 8 yellow	56-110.22.200.25.02	2	1	3	2	0.100
				without	56-010.04.200.00.02	3	1	3	3	0.100

Standard version :

Cable length 200 mm; AMP plug-in housing 2.8 x 0.8 mm

Additional options on request :

Special cable length; special plug-in housing

Special colour of lens; operation voltage : 36 | 48 | 72 | 110 VDC

Various symbols

Component layout from page 30, Mounting dimensions from page 30, Technical drawing from page 36, Circuit drawing from page 42

Front

Front bezel

	Front bezel	Colour	Ø 87 x 87 mm Typ-Nr.	Ø 87 mm Typ-Nr.	kg
Front bezel for Single side indicator Single side pushbutton, front panel mounting	Metal mat-chrome	-	56-4600		0.085
	Plastic blue	RAL 5017	56-2600		0.026
	Plastic green	RAL 6024	56-2500		0.026
	Plastic red	RAL 3020	56-2200		0.026
	Plastic yellow	RAL 1023	56-2400		0.026
for Single side indicator Single side pushbutton Double side pushbutton external	Metal mat-chrome	-		56-3600	0.070
	Plastic black	-		56-1000	0.018
	Plastic blue	RAL 5017		56-1600	0.018
	Plastic dark	RAL 7043		56-1800	0.018
	Plastic green	RAL 6024		56-1500	0.018
	Plastic light-grey	RAL 7040		56-1800A	0.018
	Plastic orange	RAL 2003		56-1300	0.018
	Plastic red	RAL 3020		56-1200	0.018
	Plastic yellow	RAL 1023		56-1400	0.018



Special colours for front bezel on request

Front bezel round, internal

	Front bezel	Colour	Typ-Nr.	kg
Front bezel round, internal for Double side pushbutton	Metal mat-chrome	-	56-7600	0.115
	Plastic blue	RAL 5017	56-5600	0.090
	Plastic dark	RAL 7043	56-5800	0.090
	Plastic green	RAL 6024	56-5500	0.090
	Plastic light-grey	RAL 7040	56-5800A	0.090
	Plastic orange	RAL 2003	56-5300	0.090
	Plastic red	RAL 3020	56-5200	0.090
	Plastic yellow	RAL 1023	56-5400	0.090



Front bezel round, blind and visually impaired person

	Front bezel	Colour	Marking	Ø 87 mm Typ-Nr.	kg
Front bezel round, blind and visually impaired person for Single side pushbutton Double side pushbutton external	Plastic orange	RAL 2003	Braille + Close	56-1392	0.018
			Braille + Open	56-1391	0.018
	Plastic red	RAL 3020	Braille + Open	56-1291	0.018
	Plastic yellow	RAL 1023	Braille + Close	56-1492	0.018
			Braille + Open	56-1491	0.018



Special colours for front bezel on request

Assembling

Cable cover standard

	Typ-Nr.	Mounting dimensions	Technical drawing	
Cable cover standard	56-992	7	1	0.003
0°, included in standard delivery				
45°, specify Typ-Nr. in purchase order	56-992A	8	1	0.005



Mounting dimensions from page 30, Technical drawing from page 36

Cable cover funnel

Caution :

Funnel shaped cable cover Nr. 992 B, C, D, E, F are not replacable after first mounting

	Typ-Nr.	Mounting dimensions	Technical drawing	
Cable cover funnel	56-992B	5	2	0.010
0°				
10°	56-992C	6	2	0.010
15°	56-992D	6	2	0.010
25°	56-992E	6	2	0.010
9°	56-992F	6	2	0.010



Specify Typ-Nr. in purchase order

Mounting dimensions from page 30, Technical drawing from page 36

Bezel cover

	Typ-Nr.	
Bezel cover	56-993	0.005
40 x 26 x 0,8 mm, adhesive, aluminium natural		



Mounting-set, flush mounting

	Typ-Nr.	
Mounting-set, flush mounting	56-991	0.020



Dismantling tool

for Front bezel

	Typ-Nr.	
Dismantling tool	56-998	0.012



Anti-slip mat

Dismounting of front bezel

	Mat	Typ-Nr.	
Anti-slip mat	100 x 100 x 3 mm, white	56-999	0.033



Counterpart set for plug-in housing 2.8 x 0.8 mm

	Typ-Nr.	
Counterpart set for plug-in housing 2.8 x 0.8 mm (set of 10 pieces)	56-994	0.012



Counterpart set for plug-in housing 6.3 x 0.8 mm

	Typ-Nr.	
Counterpart set for plug-in housing 6.3 x 0.8 mm (set of 10 pieces)	56-995	0.012



Switching unit

Switching system

Self-cleaning, double-breaking snap-action switching system
1 Normally Open contact, momentary function

Material

Connection cable

Halogene free Polydefine mixture

Lens

Aluminium anodized or Polybutylenterephthalat (PBT), as per UL94 V0

Front bezel

Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 V0

Actuator

Polycarbonate (PC), as per UL94 V0

Material of contact

Gold plated silver

Mechanical characteristics

Terminals

Cable 4-poles with plug-in connection 2.8 x 0.8 mm
Flat plug-in housing rectangular, AMP No. 626 057-0

Counterpart to AMP Flat plug-in housing
(not part of delivery)
Receptacle housing AMP No. 626 056-0
Receptacle socket AMP No. 160 655-2

Other version :
Cable 4 poles with plug-in connection 6.3 x 0.8 mm
Flat plug-in housing rectangular, AMP No. 180 901-0

Counterpart to AMP Flat plug-in housing
(not part of delivery)
Receptacle housing AMP No. 180 900-0
Receptacle socket AMP No. 160 860-2

Wire cross-section

0.5 mm²

Fixing screws

Single pushbutton and Indicator for panel mounting raised mounting M4 x 8mm
Double side pushbutton for glass mounting M4 x 25 mm
Single side pushbutton for glass mounting M4 x 20 mm (for glass ≥5 mm)
Single side pushbutton for glass mounting M4 x 16 (for 4 mm glass)

Tightening torque

Screws Single side pushbutton and Indicator for front panel mounting 80 Ncm ...100 Ncm
Screws Single side- and Double side pushbutton for glass mounting 50 Ncm

Key (mounting and dismantling)

Hexagon socket wrench size 2.5 mm

Actuating force

6 N ... 12 N

Actuating travel

~0,5 mm

Mechanical lifetime

2 million cycles operation

Electrical characteristics

Illumination

Ready status, 8 LED green, red or yellow
optical switch on status, 2 LED green or red
(3 LED for special versions)
Supply voltage 24 / 36 / 48 / 72 / 96 / 110 VDC
Tolerance +25 % ... -30 %
Current consumption <50 mA
Illuminating can vary, for production-technical reasons of the LED manufacturers, easily

EMC approved, as per

EN 50081-1
EN 50082-1
EN 50082-2
EN 50121-3-2

Switch rating

min. 5 VDC, 5 mA
max. 137 VDC/VAC, max. 200 mA

Electric strength

4000 VAC, 50 Hz, 1 min, between all terminals and mounting plate / front element

Environmental conditions

Storage temperature

-45 °C ... +90 °C

Operating temperature

-40 °C ... +80 °C

Front protection

Front side IP 67
Back side IP 65

Climate resistance

Damp heat, cyclic
96 hours, +25 °C / 97 %, +55 °C / 93 % relative humidity, as per EN IEC 60068-2-30

Damp heat, state

56 days, +40 °C / 93 % relative humidity, as per EN IEC 60068-2-78

Rapid change of temperature

100 cycles, -40 °C ... +80 °C, as per EN IEC 60068-2-14

Shock resistance

(semi-sinusoidal)
max. 250 m/s², pulse width 11 ms, as per EN IEC 60068-2-27

Vibration resistance

(sinusoidal)
max. 100 m/s² at 10 Hz ... 500 Hz, as per EN IEC 60068-2-6

Approvals

Declaration of conformity

CE
RoHS

Multi-Tone Sound Module

Material

Connection cable

Halogene free Polydefine mixture

Housing switching unit and speaker cap

Polycarbonate (PC), as per UL94 V0

Front bezel

Zinc matt chromium plated or Polybutylenterephthalat (PBT), as per UL94 V0

Mechanical characteristics

Terminals

Cable 6 x 0.5 mm², length 200 mm

Fixing screws

For panel mounting raised mounting M4 x 8mm (3x)

Tightening torque

Screws for front panel mounting 80 Ncm ... 100 Ncm

Key (mounting and dismantling)

Hexagon socket wrench size 2.5 mm

Front protection

Front side IP 69K

Back side IP 65

Climate resistance

Damp heat, cyclic

48 hours, +25 °C / 97 %, +55 °C / 93 % relative humidity, as per EN IEC 60068-2-30

Saline mist 96 hours, as per EN IEC 60068-2-11

Shock resistance

(semi-sinusoidal)

max. 50 m/s², pulse width 30 ms, as per EN 61373

Vibration resistance

Max. 7.9 m/s² at 10 Hz ... 150 Hz, as per EN 61373

Approvals

Declaration of conformity

CE

e1

E1

RoHS

Electrical characteristics

Standards

The devices comply with EN 50155

EMC approved, as per

EN 50121-3-2 und EN 61000-4-4

Operating voltage/-current

Operation voltage ±30 %

Current rating <50 mA depending on voltage and volume

Electric strength

4000 VAC, 50 Hz, 1 min, between all terminals and mounting plate / front element

Acoustic characteristics

The volume of each tone sequence is configured in five steps by 6 dB, adjustable from the rear side. All sounds are controlled using a wire cable.

Frequency range

500 Hz ... 3000 Hz ±1 %

Time range of tone sequence

0 ... ∞ (endless)

Acoustic pressure level

90 dB ±8 dB at a distance of 0.1 m at 1 kHz

One tone sequence consists of

Two frequencies at any duration and any repeat steps

Environmental conditions

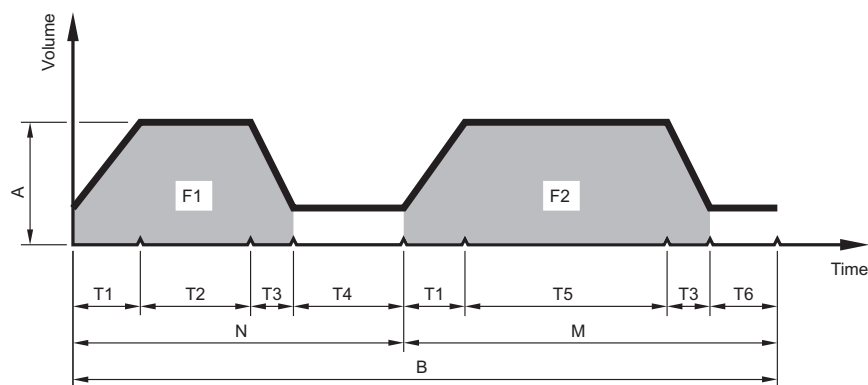
Storage temperature

-45 °C ... +90 °C

Operating temperature

-40 °C ... +85 °C

Standard tone sequence, Multi-Tone Sound Module



- F1 Frequency 1 of a tone sequence
- T2 Playing time tone 1
- T4 Break
- N Number of repetitions of tone 1
- F2 Frequency 2 of a tone sequence
- T5 Playing time tone 2
- T6 Break
- M Number of repetitions of tone 2
- A Volume level
- B Number of repetitions of the complete tone sequence, or blockage of the tone sequence
- T1 Fade-in tone 1 and 2
- T3 Fade-out tone 1 and 2

Tone sequences 1-5 Transportation

	Parameter	Sequence 1 Door orientation signal	Sequence 2 Door opening signal	Sequence 3 Warning signal for door closing	Sequence 4 Door out of order signal	Sequence 5 Hussle Alarm
Tone 1	F1	500 Hz	800 Hz	2000 Hz	1400 Hz	875 Hz
Tone 1	T2	500 ms	300 ms	500 ms	50 ms	1000 ms
Tone 1	T4	900 ms	700 ms	200 ms	100 ms	250 ms
Tone 1	N	∞	∞	∞	3	3
Tone 2	F2	deactivated	830 Hz	deactivated	deactivated	deactivated
Tone 2	T5	deactivated	500 ms	deactivated	deactivated	deactivated
Tone 2	T6	deactivated	0 ms	deactivated	deactivated	deactivated
Tone 2	M	deactivated	1	deactivated	deactivated	deactivated
General	A	3	3	5	3	3
General	B	∞	∞	1	1	1
General	T1	0 ms	0 ms	0 ms	0 ms	0 ms
General	T3	0 ms	0 ms	0 ms	0 ms	0 ms

Tone sequences 6-10 Machinery

	Parameter	Sequence 6	Sequence 7	Sequence 8	Sequence 9	Sequence 10
Tone 1	F1	750 Hz	2500 Hz	2000 Hz	2500 Hz	1000 Hz
Tone 1	T2	100 ms	300 ms	250 ms	100 ms	500 ms
Tone 1	T4	200 ms	500 ms	200 ms	100 ms	100 ms
Tone 1	N	1	1	1	2	1
Tone 2	F2	500 Hz	2000 Hz	1000 Hz	2000 Hz	1500 Hz
Tone 2	T5	450 ms	500 ms	250 ms	100 ms	500 ms
Tone 2	T6	100 ms	400 ms	200 ms	100 ms	100 ms
Tone 2	M	1	1	1	2	1
General	A	4	4	5	5	4
General	B	∞	∞	∞	∞	∞
General	T1	0 ms	0 ms	0 ms	0 ms	0 ms
General	T3	200 ms	0 ms	500 ms	0 ms	0 ms

Marking of lens

Symbol colour : black

Marking	Symbol no.
Baby carriage	60523
Wheelchair	40089
Door open	00.835
Door open	00.868
Door close	00.869
Door close	00.836

00.868

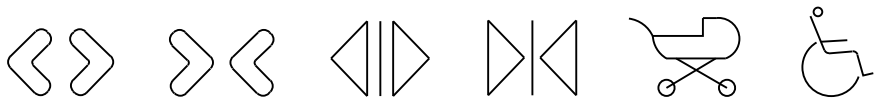
00.869

00.835

00.836

60523

40089



Specified symbols and text on 1...3 lines on request

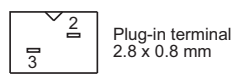
Note:

For marking, please indicate the cable exit is left or right (left or right as seen from outside).

Symbol-No. 00.868 and 00.869 are also available in raised, tangibel version.

Component layout

1 Single side indicator, front panel mounting page 7 | Single side indicator raised, front panel mounting page 8 | Single side indicator, front panel mounting, flush mounting page 17 | Single side indicator raised, front panel mounting, flush mounting page 18



Standard type

2 Single side pushbutton, front panel mounting page 11 | Single side pushbutton, glass mounting page 13 | Double side pushbutton, glass mounting page 15 | Single side pushbutton, front panel mounting, flush mounting page 20



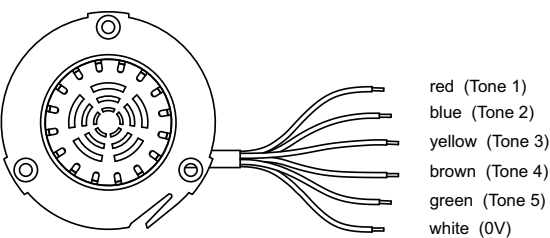
Standard type

3 Single side pushbutton, front panel mounting page 11 | Single side pushbutton, glass mounting page 13 | Double side pushbutton, glass mounting page 15 | Single side pushbutton, front panel mounting, flush mounting page 20



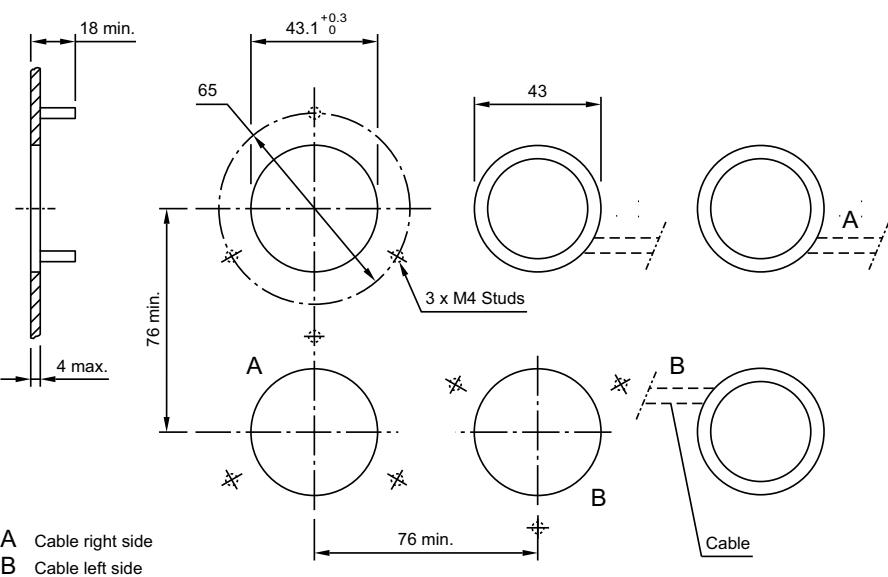
Standard type

4 Multi-Tone Sound Module, front panel mounting page 9 | Multi-Tone Sound Module, front panel mounting, flush mounting page 19



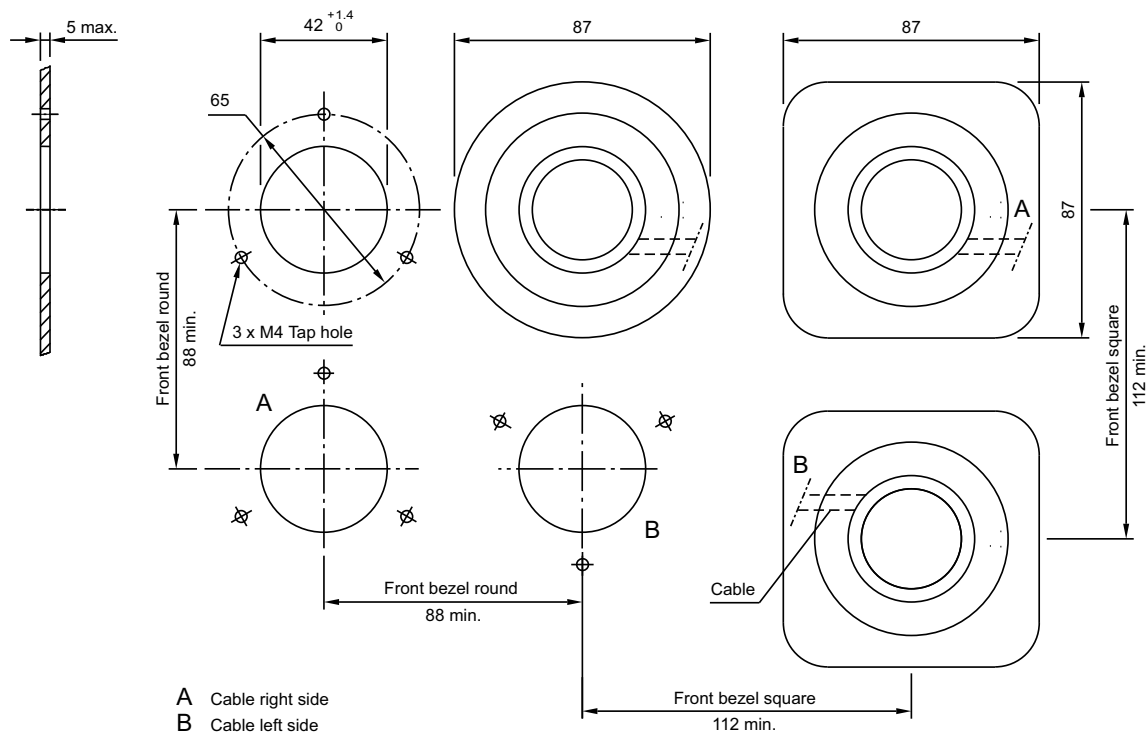
Mounting dimensions

1 Single side pushbutton, front panel mounting, flush mounting page 20

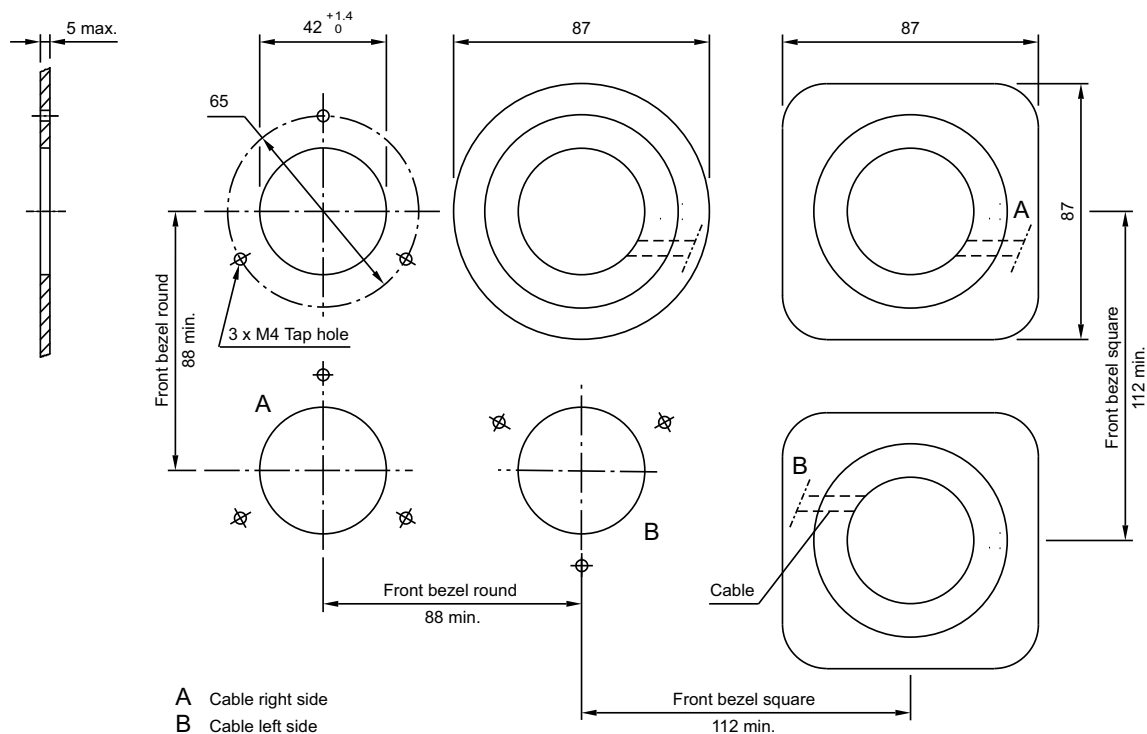


A Cable right side
B Cable left side

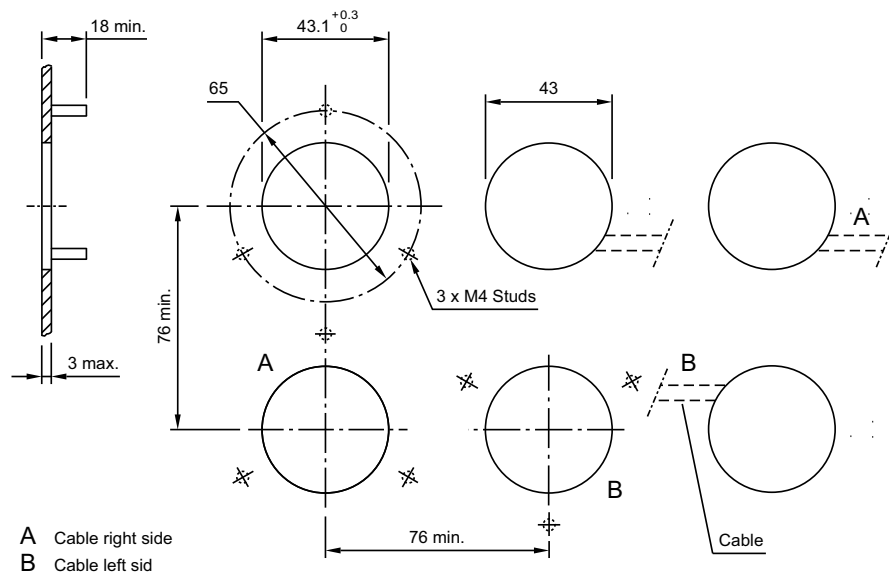
2 Single side pushbutton, front panel mounting page 11



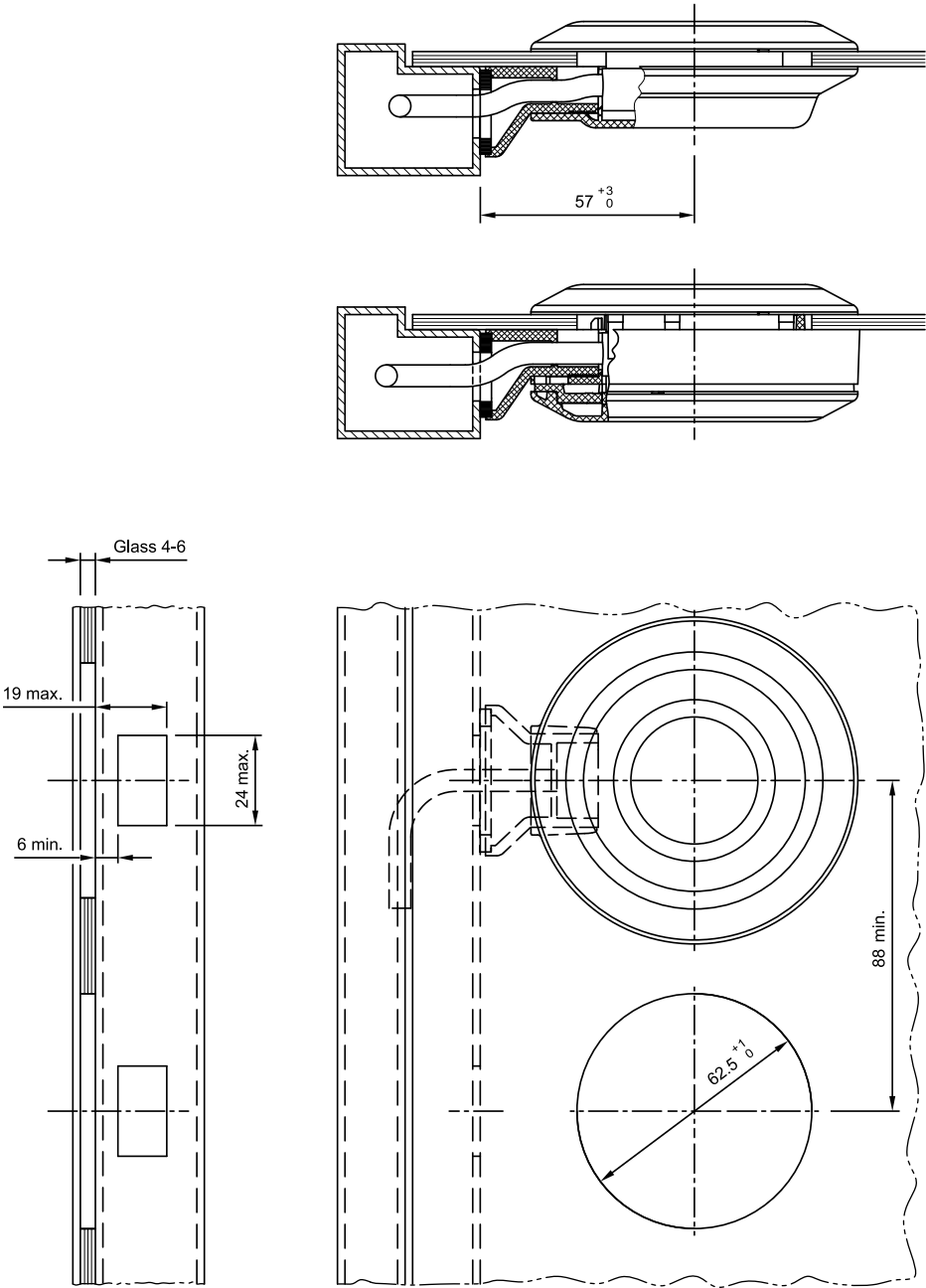
3 Single side indicator, front panel mounting page 7 | Single side indicator raised, front panel mounting page 8 | Multi-Tone Sound Module, front panel mounting page 9



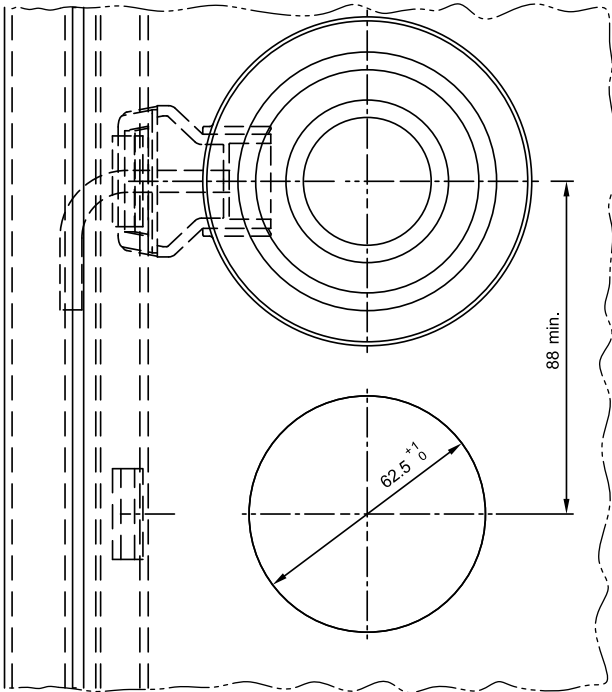
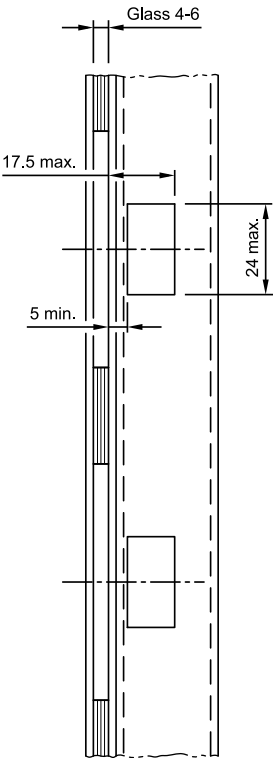
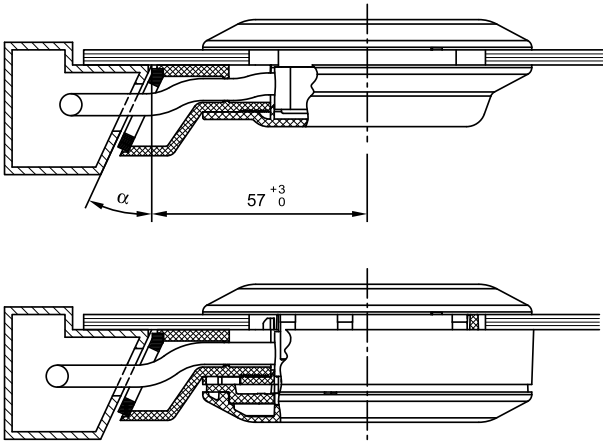
4 Single side indicator, front panel mounting, flush mounting page 17 | Single side indicator raised, front panel mounting, flush mounting page 18 | Multi-Tone Sound Module, front panel mounting, flush mounting page 19

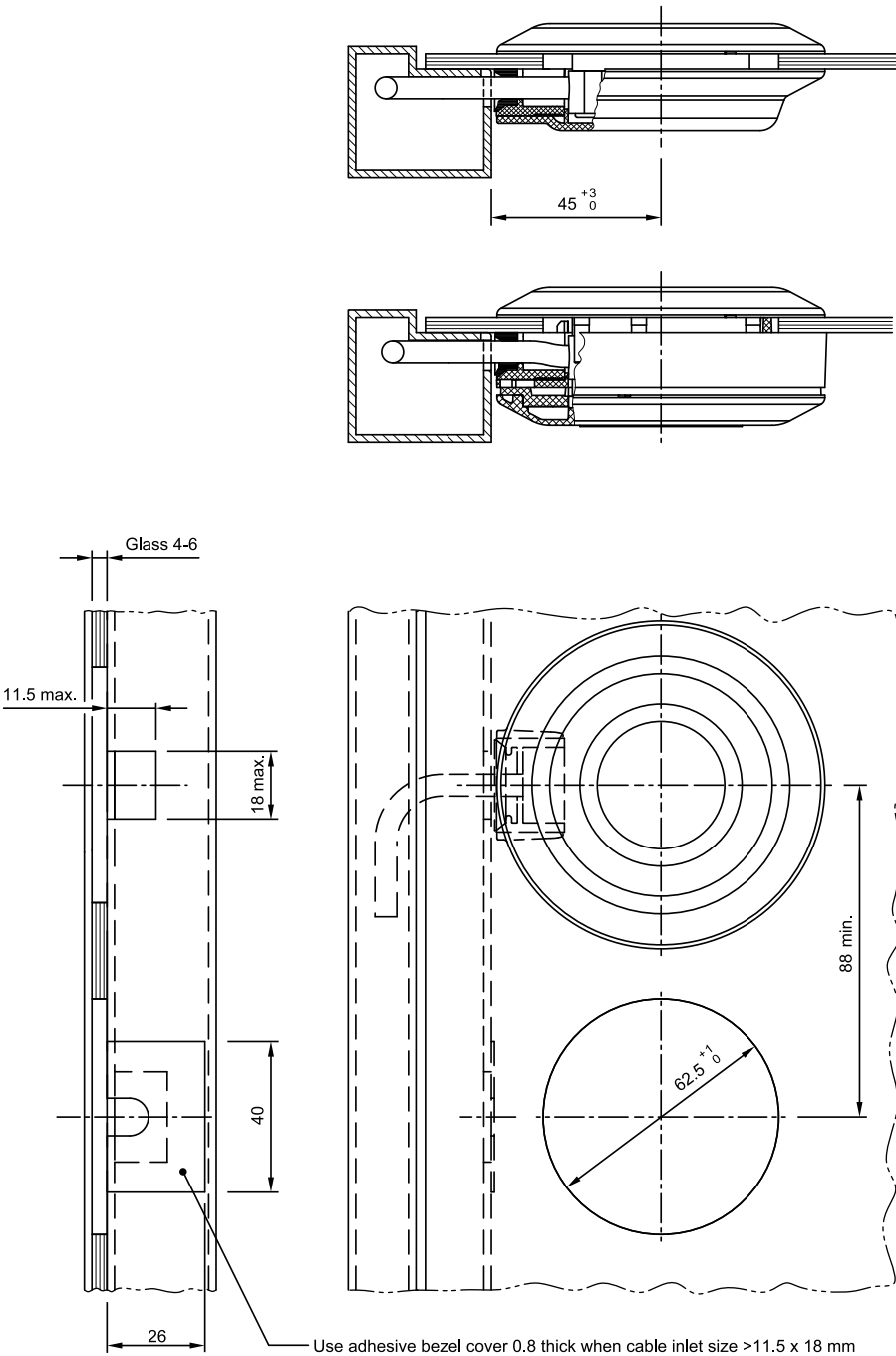


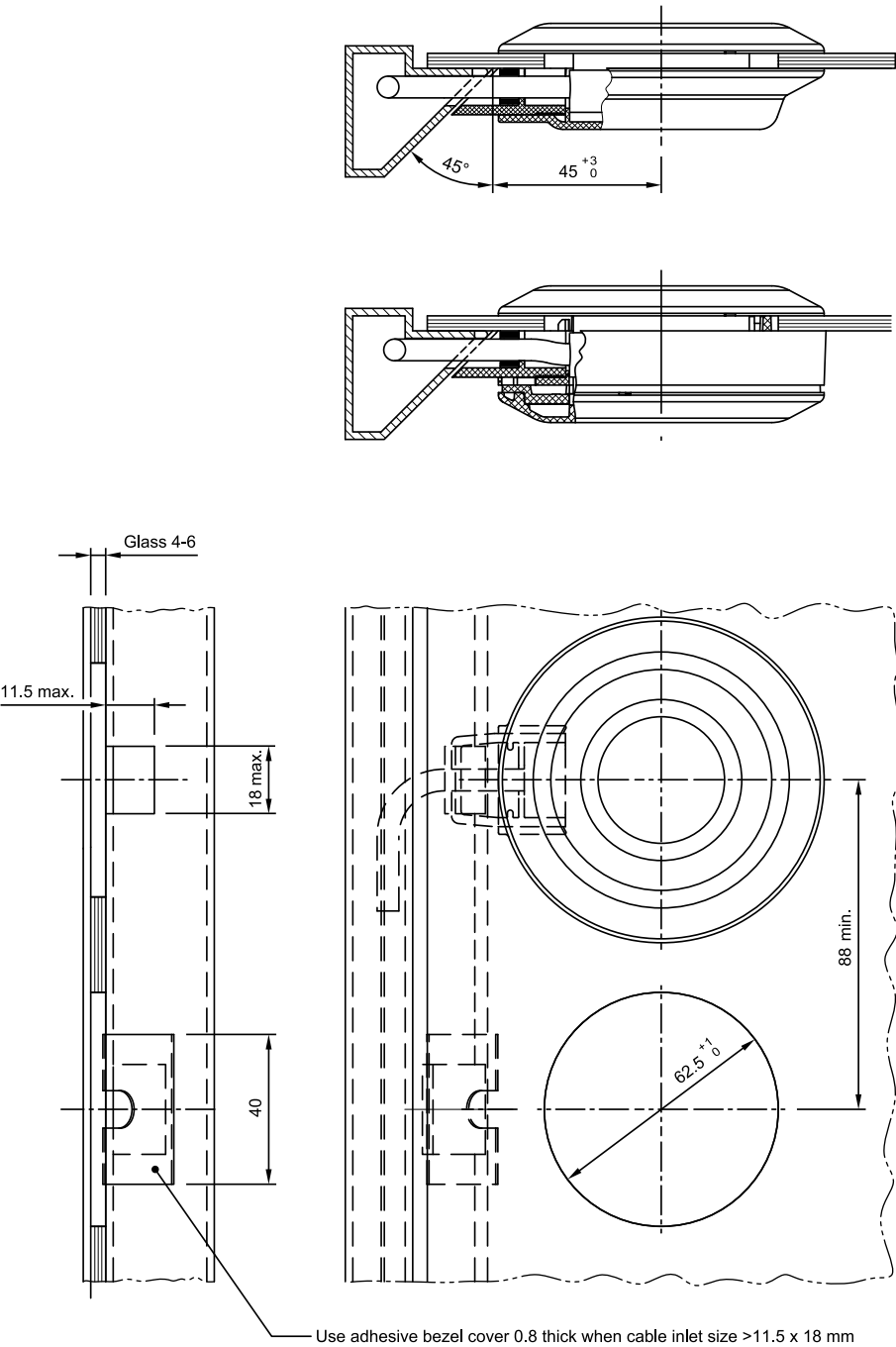
5 Cable cover funnel page 23



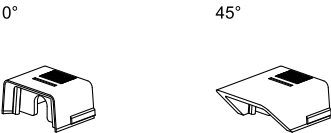
6 Cable cover funnel page 23



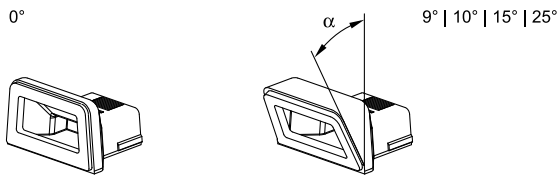




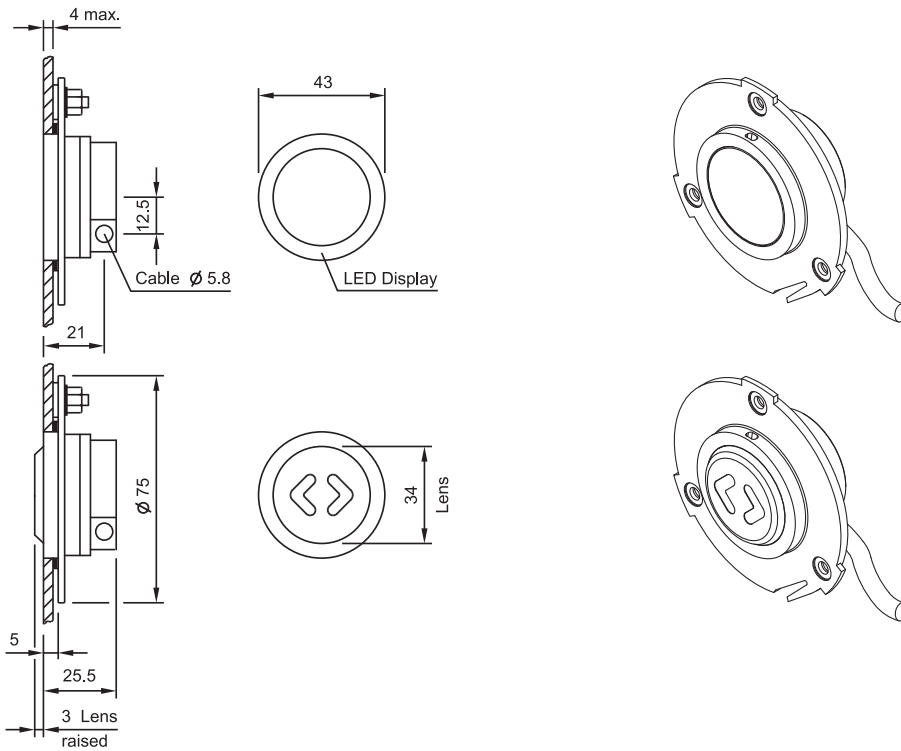
Technical drawing



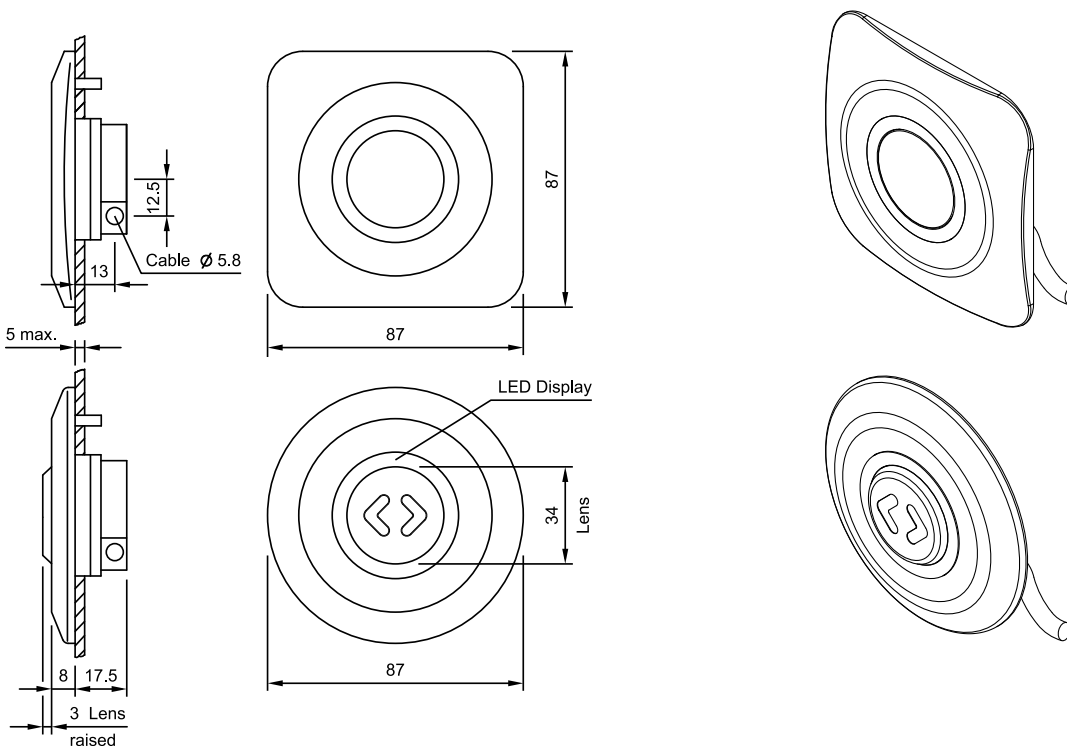
2 Cable cover funnel page 23



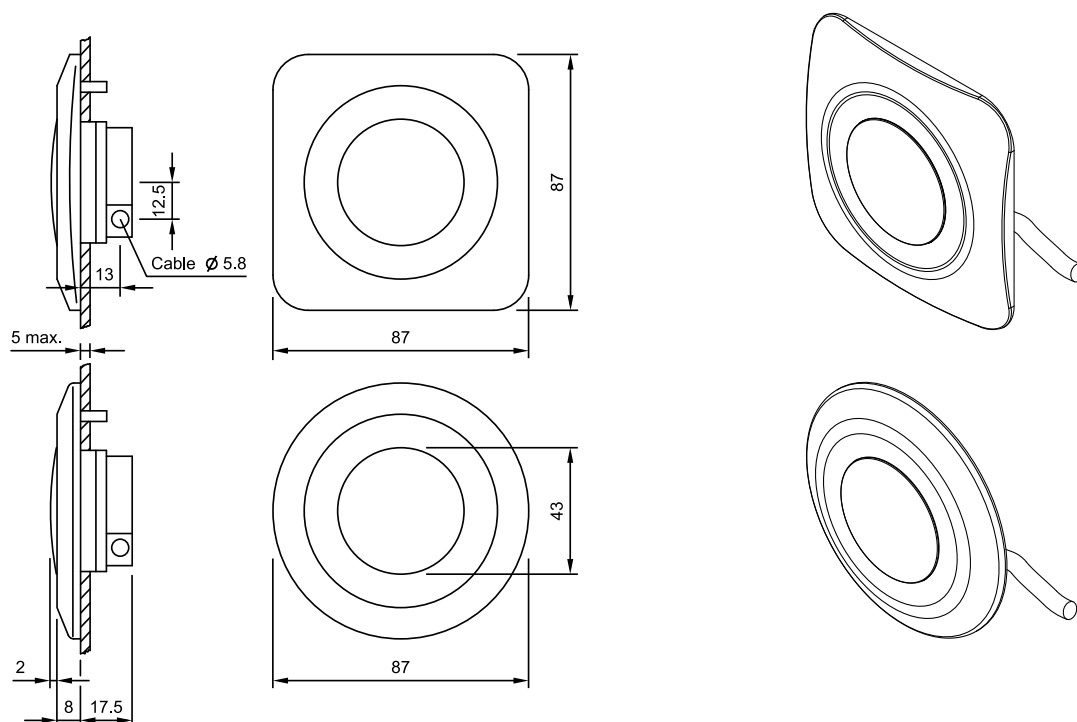
3 Single side pushbutton, front panel mounting, flush mounting page 20



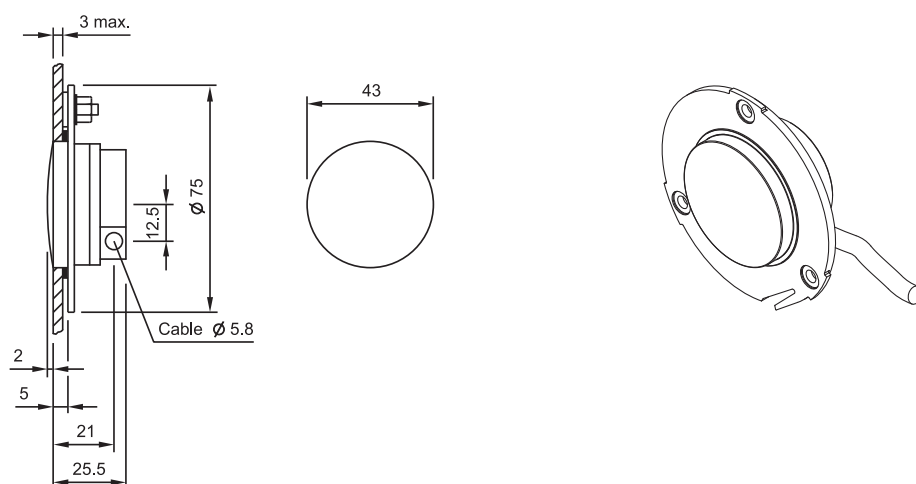
4 Single side pushbutton, front panel mounting page 11



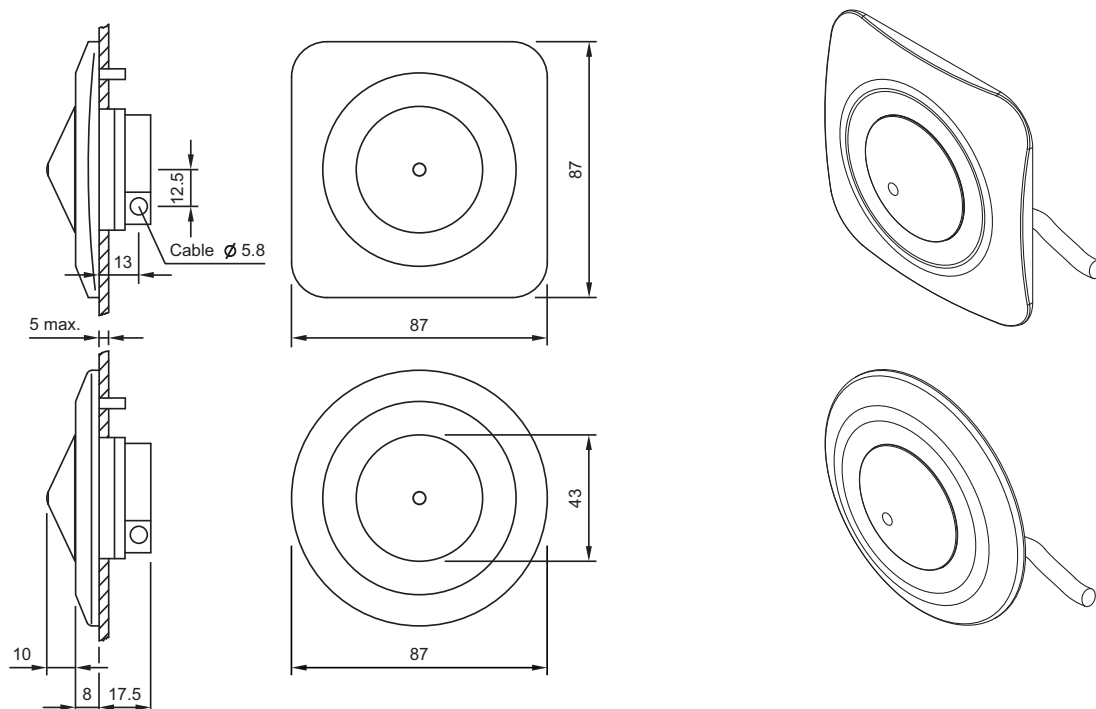
5 Single side indicator, front panel mounting page 7



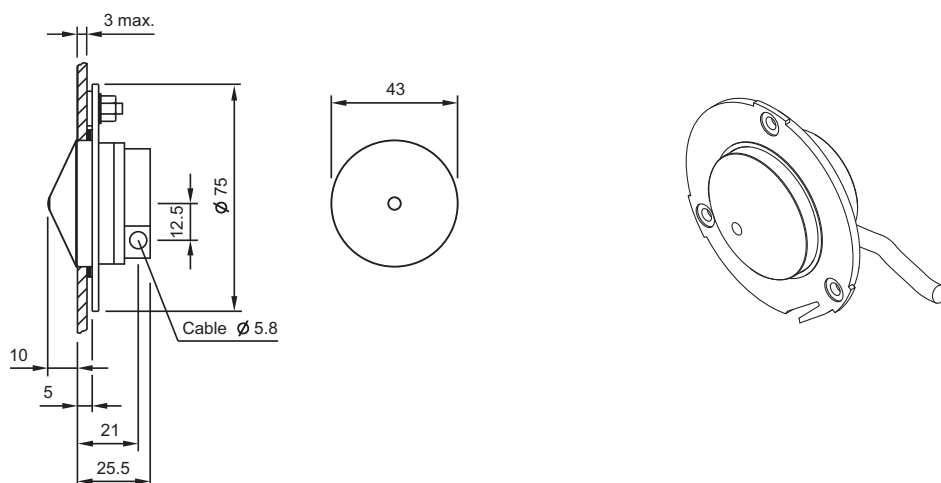
6 Single side indicator, front panel mounting, flush mounting page 17



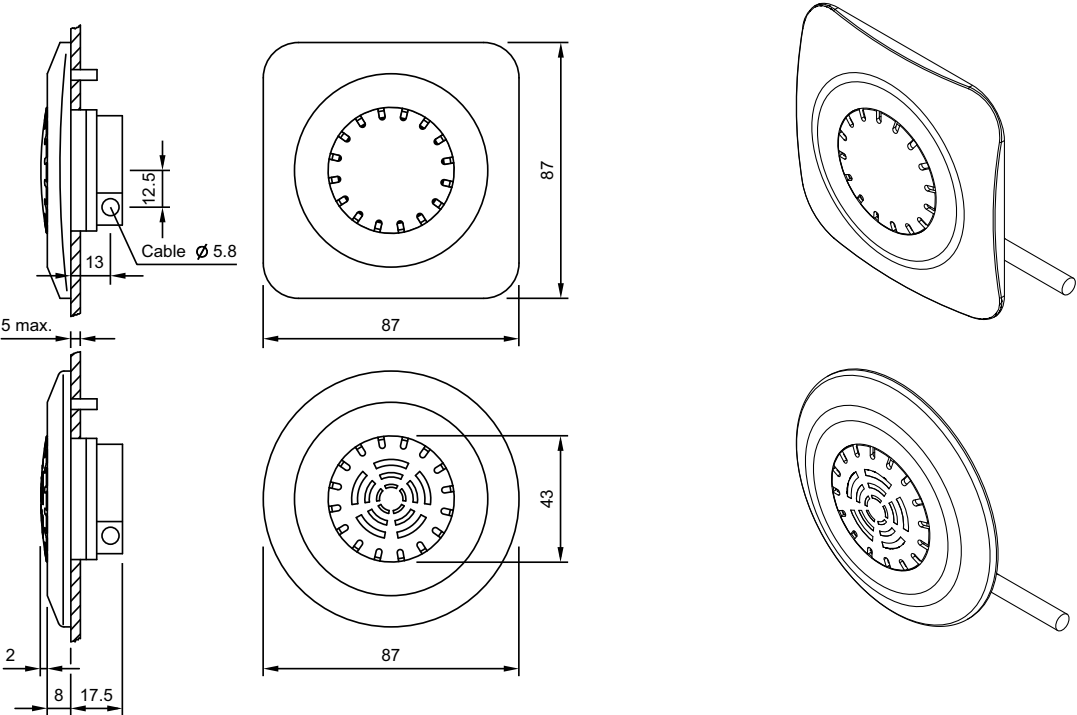
7 Single side indicator raised, front panel mounting page 8



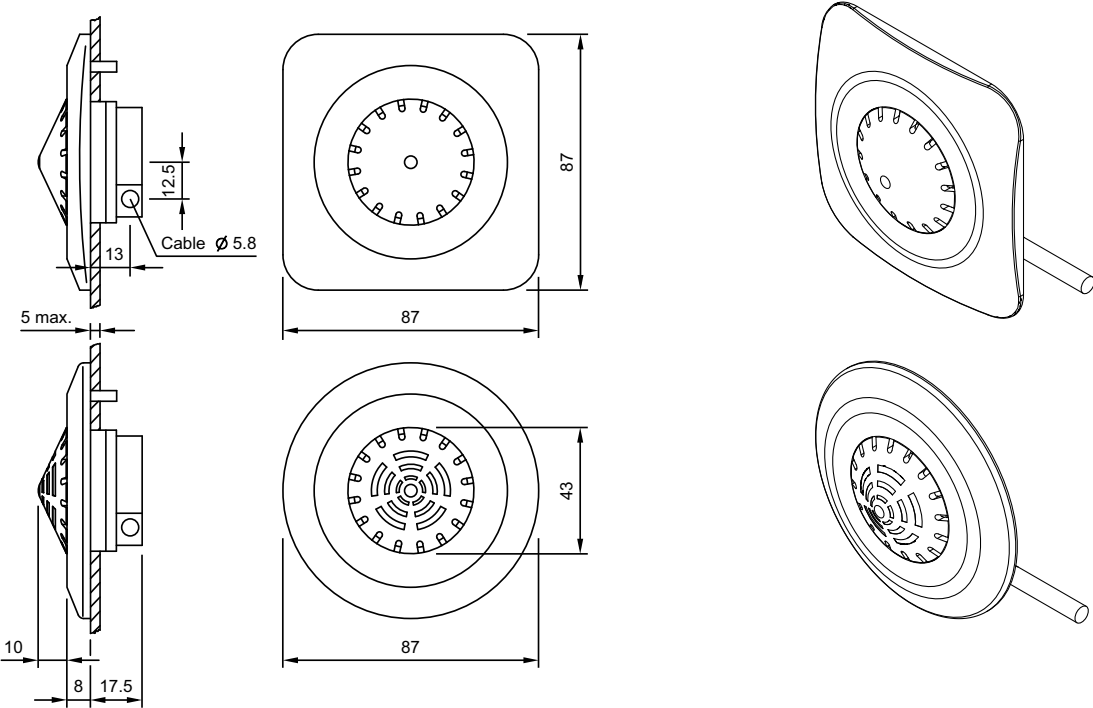
8 Single side indicator raised, front panel mounting, flush mounting page 18



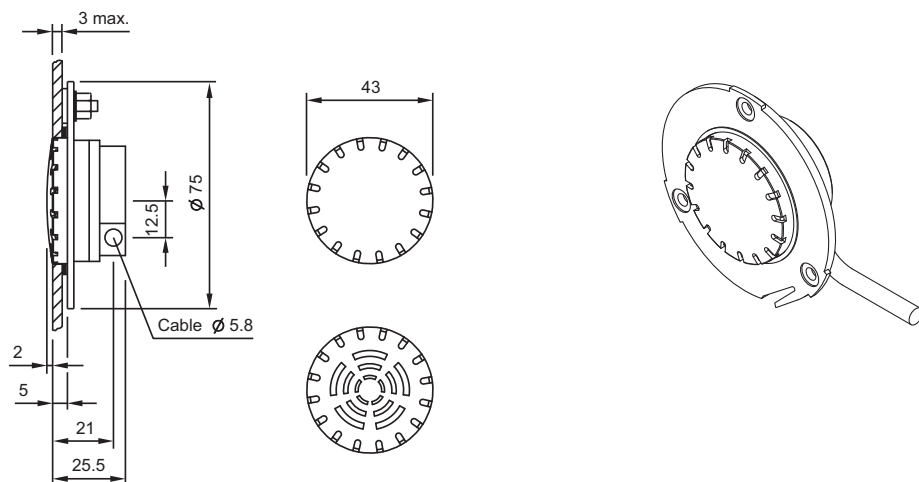
9 Multi-Tone Sound Module, front panel mounting page 9



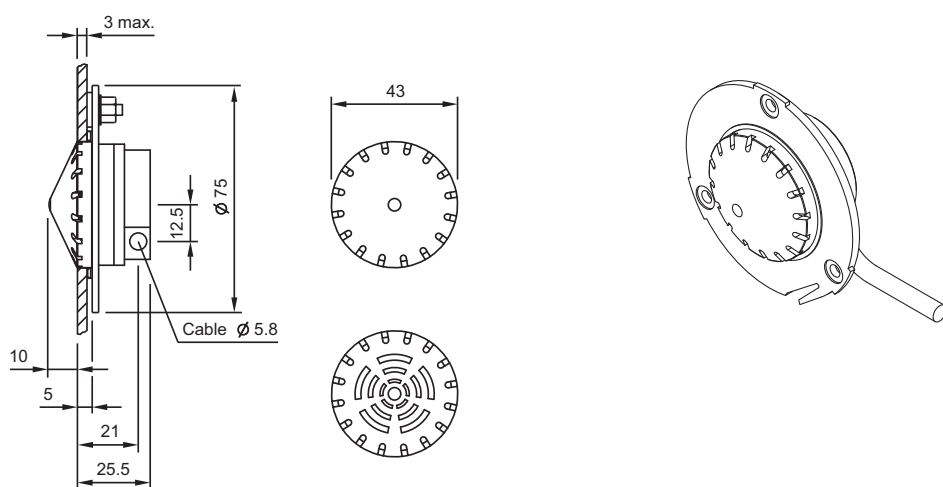
10 Multi-Tone Sound Module, front panel mounting page 9



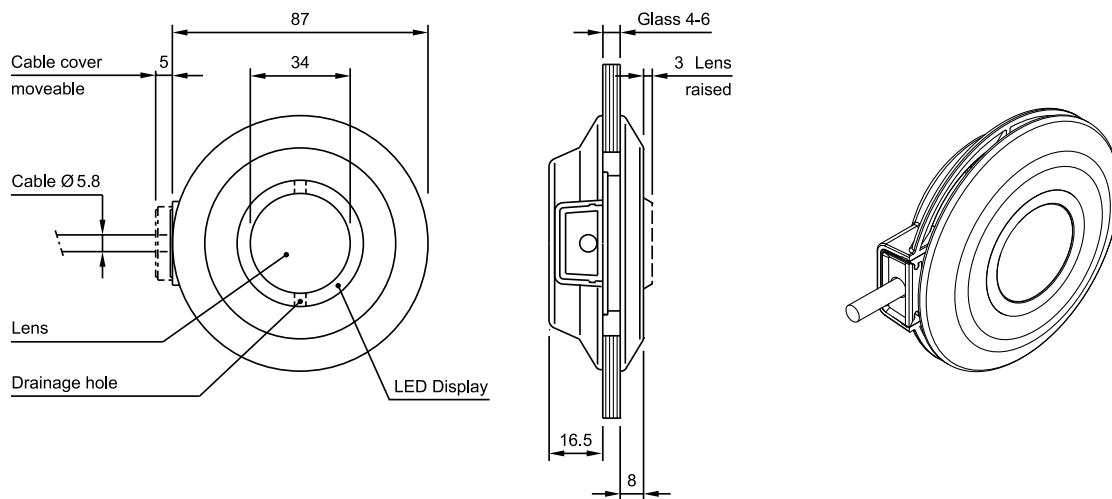
11 Multi-Tone Sound Module, front panel mounting, flush mounting page 19

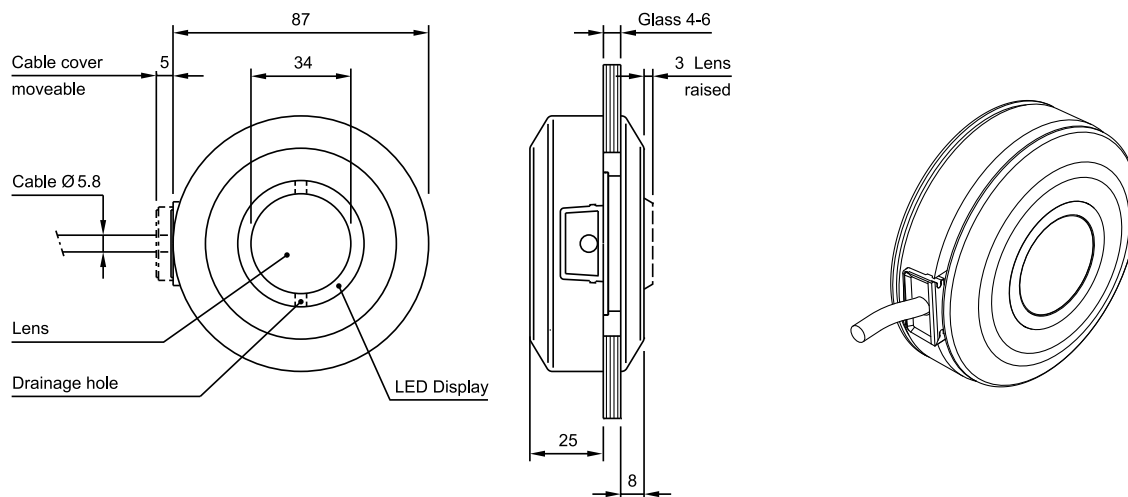


12 Multi-Tone Sound Module, front panel mounting, flush mounting page 19



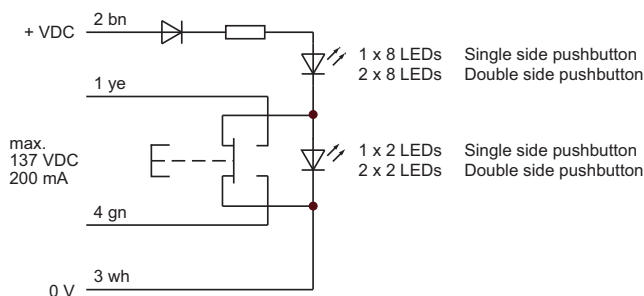
13 Single side pushbutton, glass mounting page 13



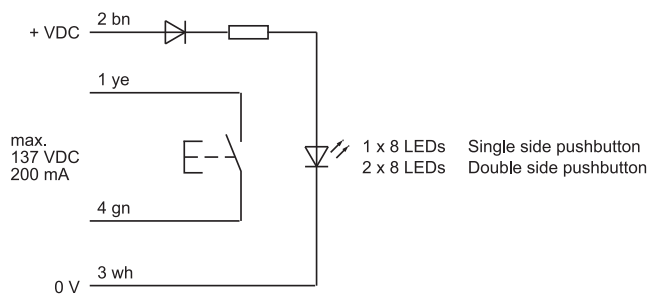


Circuit drawing

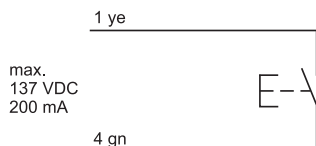
1 Single side pushbutton, front panel mounting page 11 | **Single side pushbutton, glass mounting** page 13 | **Double side pushbutton, glass mounting** page 15 | **Single side pushbutton, front panel mounting, flush mounting** page 20



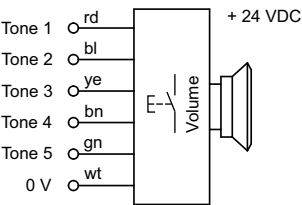
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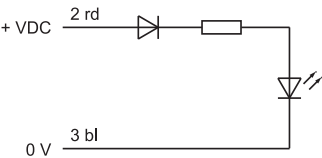
3 Single side pushbutton, front panel mounting page 11 | **Single side pushbutton, glass mounting** page 13 | **Double side pushbutton, glass mounting** page 15 | **Single side pushbutton, front panel mounting, flush mounting** page 20



4 Multi-Tone Sound Module, front panel mounting page 9 | **Multi-Tone Sound Module, front panel mounting, flush mounting** page 19



5 Single side indicator, front panel mounting page 7 | **Single side indicator raised, front panel mounting** page 8 | **Single side indicator, front panel mounting, flush mounting** page 17 | **Single side indicator raised, front panel mounting, flush mounting** page 18



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