

ELG745060, MEG4842-0300

Sigma care

Additional information →

Scan the QR code or follow the link.

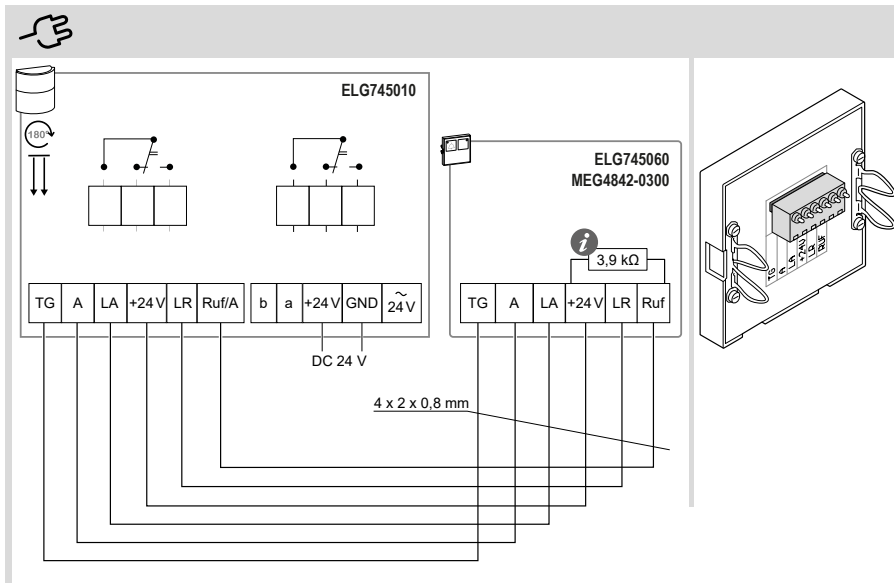
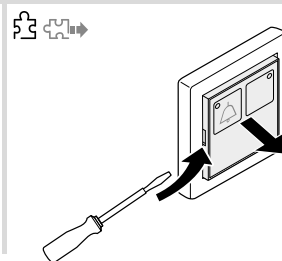
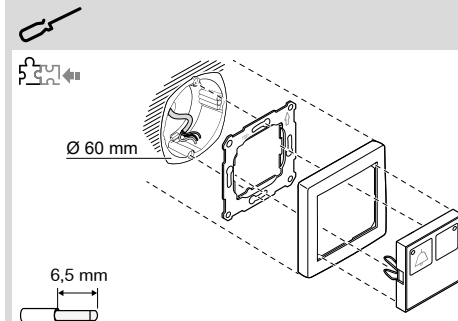
Further information about the Sigma Care call system are available online.



ELG745060

<https://www.go2se.com/ref=ELG745060><https://www.go2se.com/ref=MEG4842-0300>

MEG4842-0300



en Call and presence / cancel button

Installation instructions

⚠ ⚠ WARNING

DANGER RISK OF FATAL INJURY FROM IMPROPER INSTALLATION

Safe electrical installation must be carried out by qualified professionals. Qualified professionals must demonstrate an in-depth knowledge of:

- Connecting to installation networks
- Connecting multiple electrical appliances
- Installation of electric cables
- Connection and installation of call systems in accordance with DIN VDE 0834
- Safety standards, local connection rules and regulations

The commissioning and further work or changes to the call system may only be carried out by a call system specialist in accordance with DIN VDE 0834.

Failure to observe these instructions can lead to death or serious injuries.

⚠ ⚠ DANGER

DANGER RISK OF FATAL INJURY FROM ELECTRIC SHOCK

Insulation and protection against contact must be maintained. Devices of the low-voltage system (e.g. switches, sockets) must not be covered with a shared cover plate.

Failure to observe these instructions will lead to death or serious injuries.

Additional Information →

Scan the QR code or follow the link.

A detailed description of the call and presence / cancel button and other useful information about the Sigma care call system are available online in the Online User Guide.

Required accessories

To be completed with the design frames:

- ELSO Joy, ELSO Fashion with adaptor frame
- Merten System M, Merten System D frame with adaptor frame

Getting to know the device

Sigma care devices are installed, for example, in disabled toilets. The call and attendance/stop button is used to trigger a call, by personnel to cancel a call and, if necessary, to indicate presence with acoustic call forwarding. Optical and audible signaling is displayed on a room module mounted visibly outside the room.

- With a red sensor call button including a tactile call symbol and a red LED that serves as a location and calming light.
- With a green sensor cancel button and a green LED indicating presence.
- With integrated sound transmitter that serves as audible call forwarding if personnel presence is indicated.

Installation location

Call buttons / cancel buttons must be mounted at a height of 0.7 m to 1.5 m in accordance with DIN 0834. DIN 18024-2 "Construction of accessible buildings" also stipulates the installation of operator control elements for wheelchair users at a height of 0.85 m.

Installation →

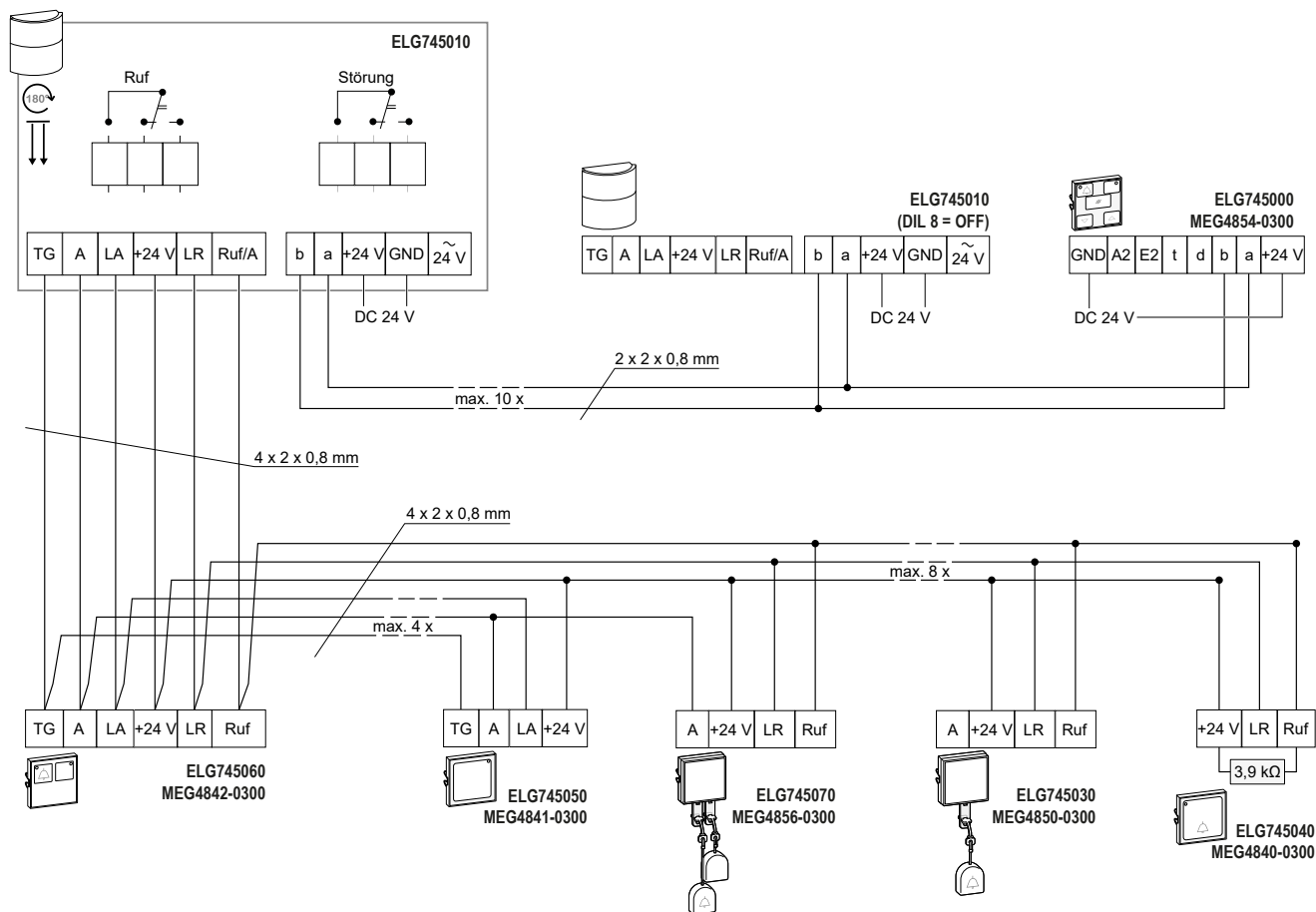
Installation is carried out on a 60 mm flush-mounted box.

Connection →

Note The line termination resistor (3.9 kΩ) is included in the scope of supply of the *room module with signal lamp*. In case of parallel connection of multiple buttons with call function at a terminal input, this terminator must be installed at the furthest button. The max. cable length of 50 m must be observed.**Note** Interchanging cables (with regard to the connection diagram) results in malfunctions.

TG	Sound transmitter
A	Cancel / presence button
LA	Presence lamp
+24 V	Operating voltage
LR	Call lamp
Call	Call button

The line termination resistor is installed between "Call" and "+24 V".



Technical data

Supply

Operating voltage:	DC 24 V $\pm 10\%$, via the ELG745010 room module
Current consumption:	max. 40 mA

Call line

Line termination resistor (standby current) to +24 V:	3.9 k Ω $\pm 5\%$
Standby current:	3.5 mA $\pm 10\%$
Working resistor active to +24 V with button operation parallel to the terminator:	3.6 k Ω $\pm 5\%$
Working current:	4.5 mA $\pm 10\%$

Calming light, call

Current consumption:	6 mA
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Cancel / presence line

Line termination resistor (standby current) to +24 V:	-/- k Ω $\pm 5\%$
Working resistor active to +24 V with button operation parallel to the terminator:	1.0 k Ω $\pm 5\%$
Working current:	5 mA $\pm 10\%$

Calming lamp cancel / presence line

Current consumption:	40 mA
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Sound transmitter

Volume:	45 - 50 dB(A) at a distance of 2 m
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Connecting terminal

Terminal:	Plug-in terminal, 6-pole
Conductors per pole:	2
Stripped length:	6.5 mm

Environmental conditions

Ambient temperature during operation:	0 °C ... 50 °C
Relative humidity:	max. 85%, non-condensing

Protection rating:

Protection rating:	IP20
Cable type:	J-Y(St)Y, 4 x 2 x 0.8 mm max. 50 m
Cable length:	max. 50 m
Dimensions (W x H x D):	55 x 55 x 10 mm

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