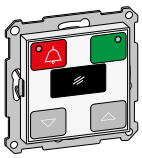
en

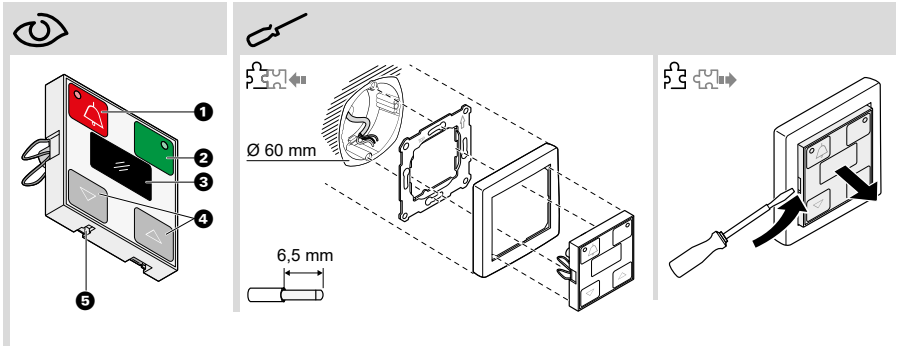
Schneider Electric

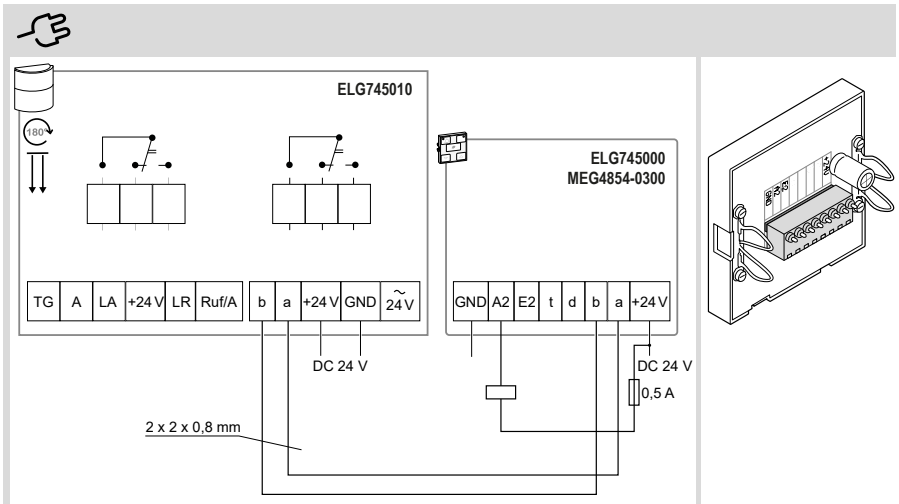
NNZ42699-01 02/2022



ELG745000, MEG4854-0300

Sigma care





Additional information →

Scan the QR code or follow the link.

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

ELG745000

MEG4854-0300

https://www.go2se.com/ref=ELG745000

https://www.go2se.com/ref=MEG4854-0300

en Central indicator module with display

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 call system and 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 central indicator module with display 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 adapter frame

Getting to know the device

Sigma care devices are installed, for example, in disabled toilets. The central indicator module serves as the central display and monitoring unit in the Sigma care emergency call system.

Signaling is carried out acoustically by the integrated sound transmitter and visually in the display with an indication of the location.

Equally suitable for use as a standalone device. Optical and audible signaling can also be displayed on a room module mounted visibly outside the room.

- Red sensor button with red LED.
- Green sensor button with green LED.
- Display for the following indicators:
  - Function programs, room calls, emergency calls, fault messages
- Two gray navigation keys for selecting function programs.
- Integrated sound transmitter that serves as audible call forwarding if personnel presence indicated.
- Output for connecting external components, e.g. relay or lamp. The “Fault” and “Call” functions can be parameterized.

Device overview →

Note Remove the protective film from the display before putting into operation.

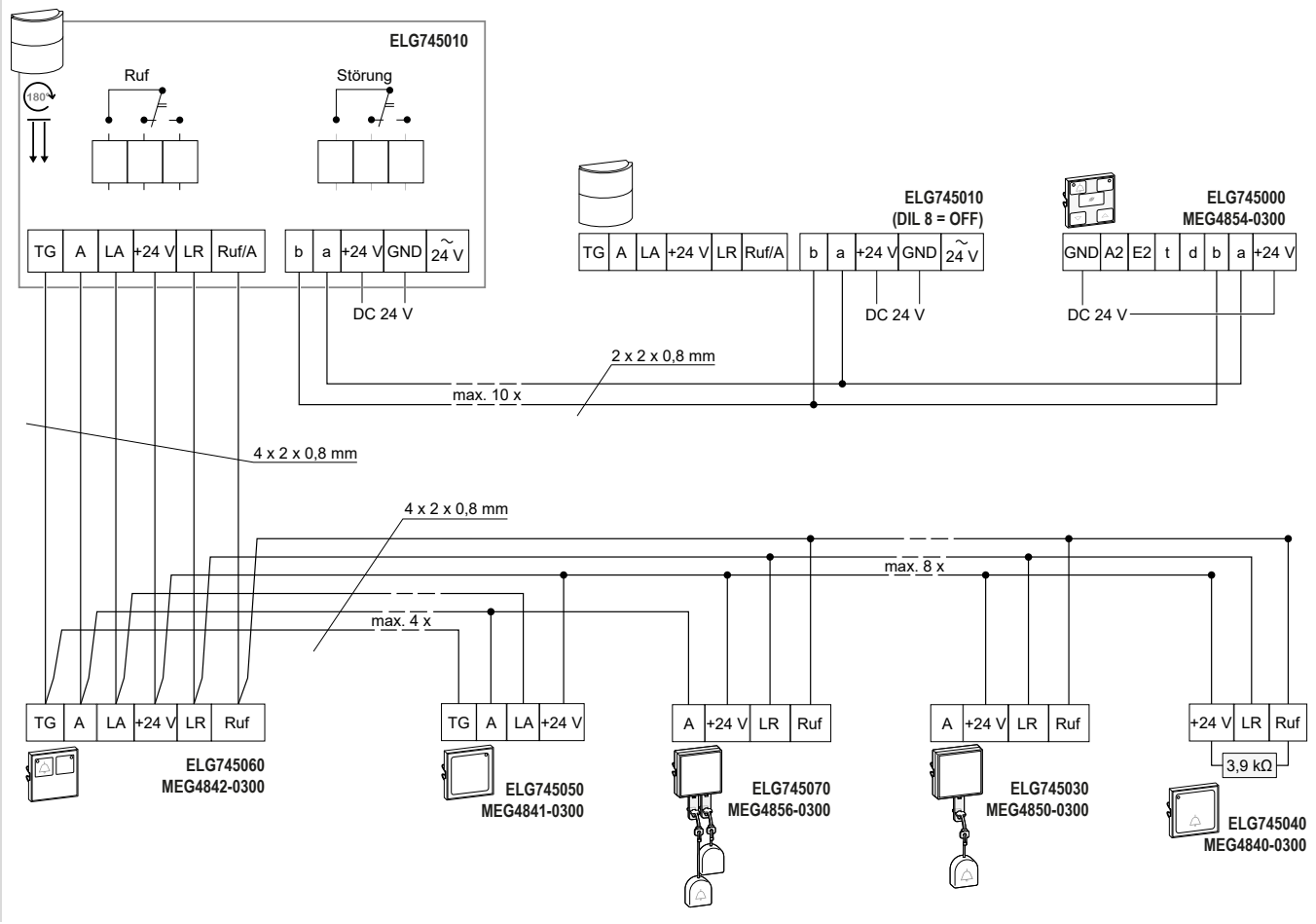
1. Sensor button with call symbol (red)
2. Sensor button (green)
3. OLED-Display (2 x 16 characters)
4. Navigation keys (gray)
5. Sound opening on sound transmitter

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 When connecting to the system bus, the maximum cable length of 1,000 m must be observed.

Note Interchanging cables (with regard to the connection diagram) results in malfunctions.

GND	Ground
A2	Output, e.g. for relay or lamp
E2	Not active
t	Not active
d	Not active
b	System bus
a	System bus
+24 V	Operating voltage

Technical data

Supply

Operating voltage:	DC 24 V ±10%
Current consumption:	60 mA

Output

Output for lamp / display

Current consumption downstream of GND:	400 mA
Short-circuit proof to +24 V:	✓

If a relay/lamp is supplied with +24 V, a 0.5 A (medium time-lag) fuse must be inserted to provide additional fusing.

System bus connection

Line termination “a” to +24 V / line “b” to GND, once per bus line:	680 Ω / 1 W
Cable length:	max. 1,000 m
Number of room modules per bus:	max. 10
Number of devices per bus including the central indicator, secondary indicator (group lamps), etc.:	max. 20

Integrated sound transmitter

Volume:	50 - 55 dB(A) at a distance of 2 m

Connecting terminal

Terminal:	Plug-in terminal, 8-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:	IP20
Cable type:	J-Y(St)Y, 2 x 2 x 0.8 mm
Dimensions (W x H x D):	55 x 55 x 10 mm

Schneider Electric GmbH c/o ELSO

An der Wipper 5-7 | D-99706 Sondershausen
Tel: +49 3632 51 0
e-mail: info.elso@schneider-electric.com
www.se.com/de

Schneider Electric GmbH c/o Merten

Gothaer Strasse 29 | D-40880 Ratingen
www.merten.de | www.se.com/de

NNZ42699-01 02/2022