



## SE-400 C AUSWERTEGERAET

- To monitor 1 safety edge(s)
- 2 safety contacts, STOP 0
- 1 Signalling output

## Data

### Ordering data

Product type description	SE-400 C AUSWERTEGERAET
Article number (order number)	101153920
EAN (European Article Number)	4030661289175
eCl@ss number, version 12.0	27-37-18-19
eCl@ss number, version 11.0	27-37-18-19
eCl@ss number, version 9.0	27-37-18-19
ETIM number, version 7.0	EC001449
ETIM number, version 6.0	EC001449

### Approvals - Standards

Certificates	TÜV cULus EAC
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### General data

Standards	EN ISO 13849-1 EN ISO 13850
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Climatic stress	EN ISO 13856-2
Enclosure material	Plastic, PE (Black), Crastin (Grey)
Gross weight	184 g
Time to readiness, maximum	32 ms
Reaction time, maximum	32 ms

## General data - Features

Stop-Category	0
Electronic Fuse	Yes
Wire breakage detection	Yes
Cross-circuit detection	Yes
Start input	Yes
Feedback circuit	Yes
Automatic reset function	Yes
Reset edge detection	Yes
Reset after disconnection of supply voltage	Yes
Earth connection detection	Yes
Integral system diagnostics, status	Yes
Number of LEDs	2
Number of undelayed semiconductor outputs with signaling function	1
Number of safety contacts	2
Number of signalling outputs	1

## Safety classification

Performance Level, up to	e
Category	4
Control category to EN954	4
PFH value	$2.47 \times 10^{-8}$ /h
Note (PFH-value)	up to max. 50,000 switching cycles/year

Mission time 20 Year(s)

### Mechanical data

Mechanical life, minimum 30,000,000 Operations  
Mounting Snaps onto standard DIN rail to EN 60715

### Mechanical data - Connection technique

Termination Screw terminals M20 x 1.5  
Length of cable 200 m  
Cable section, maximum 2 x 1.5 mm<sup>2</sup>  
Note (Cable section) All indications including the conductor ferrules.

### Mechanical data - Dimensions

Width 22.5 mm  
Height 100 mm  
Depth 121 mm

### Ambient conditions

Degree of protection of the enclosure IP40  
Degree of protection of the mounting space IP54  
Degree of protection of clips or terminals IP20  
Ambient temperature, minimum +5 °C  
Ambient temperature, maximum +55 °C  
Resistance to vibrations 10 ... 55 Hz, amplitude 0.15 mm

### Ambient conditions - Insulation values

Rated impulse withstand voltage $U_{imp}$	4 kV
Overvoltage category	III
Degree of pollution	2

### Electrical data

Rated operating voltage	24 VDC +20% / -10%
Operating current	150 mA
Rated AC voltage for controls at DC minimum	21.6 VDC
Rated control voltage at DC, maximum	28.8 VDC
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	3 A
Electrical power consumption, maximum	4 W

### Electrical data - Electromagnetic compatibility (EMC)

EMC rating	EMC-Directive
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### Status indication

Indicated operating states	Safety edge function
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### Other data

Note (applications)	Safety edges
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### Note

## Note (General)

The overall machine safety depends on the professional mounting and installation of the safety monitoring module and the signal transmitter, as well as on the correct and professional electrical connection of the components. If there is any risk whatsoever, the machine may not be restarted.

## Wiring example

### Note (Wiring diagram)

A Start-Reset-Taster (S) can optionally be connected to the feedback circuit. Both re-initialisation and auto-reset must comply with the requirements of EN 1760-2 (diagram A2, A3). The wiring diagram is shown for the de-energised condition. Monitoring the safety edges SE 40 / SE 70 with a safety monitoring unit SE-400C up to PL e and Category 4. The feedback circuit monitors the position of the contactors KA and KB.

## Pictures

### Product picture (catalogue individual photo)

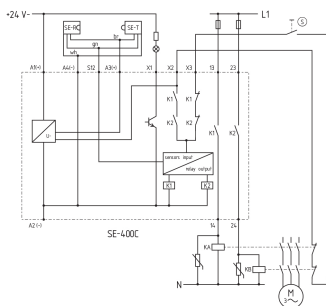


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| 361.2 kB | .jpg | 154.517 x 313.619 mm - 438 x 889 px - 72 dpi

| 102.9 kB | .png | 74.083 x 150.283 mm - 210 x 426 px - 72 dpi

## Wiring example



ID: ksec4i01

| 57.4 kB | .cdr |

| 134.6 kB | .jpg | 352.778 x 329.142 mm - 1000 x 933 px - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 22/01/2023, 22:11