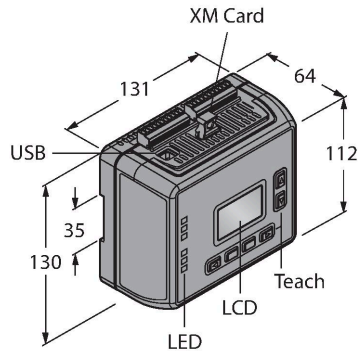


# SC22-3-S

## Machine Safety – Safety Controllers



### Features

- PLe acc. to ISO 13849-1
- Safety category 4 acc. to EN 954-1
- SIL 3 acc. to IEC 61508 and IEC 62061
- Adjustments via pushbutton or software
- 22 inputs
- 10 non-intrinsically safe outputs
- 3 intrinsically safe redundant pnp outputs (OSSD)
- Adjustable external device monitoring (EDM)
- Status and diagnostics display
- Operating voltage 24 VDC  $\pm 20\%$
- Protection class IP20
- Connection via screw terminals

### Technical data

Type	SC22-3-S
ID no.	3077259
Function	Controller
Operating voltage	20...28 VDC
No-load current	$\leq 400$ mA
Short-circuit protection	yes / Cyclic
Reverse polarity protection	yes
Output function	3 $\times$ NO contacts, 2 $\times$ PNP
Response time typical	$< 10$ ms
Design	Rectangular, SC22
Dimensions	131 x 64 x 130 mm
Housing material	Plastic
Electrical connection	Removable terminal block, reverse polarity protected, screw connection
Ambient temperature	0...+55 °C
Relative humidity	0...90 %
Protection class	IP20
Power-on indication	LED, Green
Switching state	LED, Red

### Functional principle

The SC22-3 replaces numerous relays to connect emergency stop buttons, safety light screens, two-hand operation, insulation mats, cable-operated switches and many more safety devices with the machine safety shutdown. Potential-free contacts and pnp semi-conductive outputs, the voltage supply of which can be displayed by the controller, are monitored and processed. Programming is possible via a PC based software or via push buttons and LCD at the controller housing. The configuration is either transmitted via serial USB cable or with the delivered XM memory card, which can also be used for transmission of copies to other controllers.