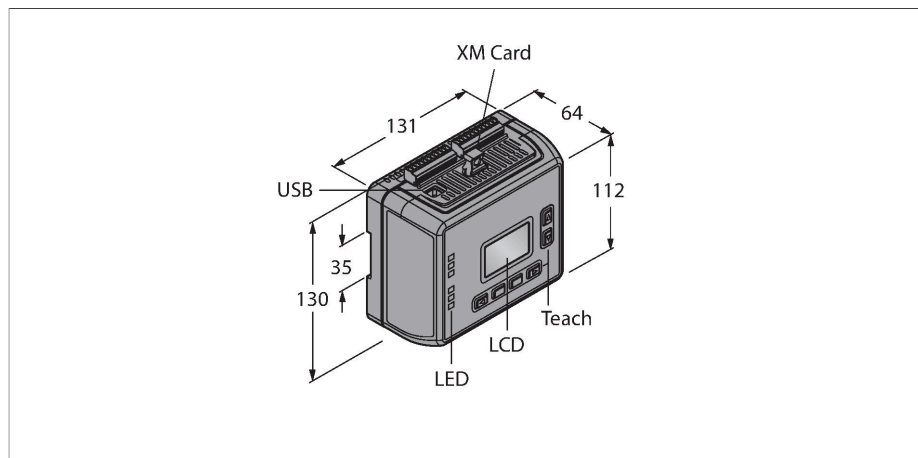


# SC22-3E-C

## 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 unsafe outputs
- 3 safe, redundant PNP outputs (OSSD)
- Adjustable external device monitoring (EDM)
- Status and diagnostic display
- Ethernet/IP
- Modbus/TCP

### Technical data

|                             |  |
|-----------------------------|--|
| Type                        | SC22-3E-C  |
| ID                          | 3083368  |
| Function                    | Controller   |
| Operating voltage           | 20...28 VDC  |
| No-load current             | ≤ 400 mA   |
| Short-circuit protection    | yes / Cyclic   |
| Reverse polarity protection | yes  |
| Communication protocol      | EtherNet/IP<br>Modbus TCP<br>Modbus TCP<br>PCCC                        |
| Output function             | 3 × NO contacts, 2 × 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.