



EsMatix 3

Part No. 364283

DATASHEET

Safety switching device Cat. 3 for sensors with 8.2 kΩ

Safety switching device with reset and external device monitoring (EDM)

■ Mechanical data

Housing	DIN (for DIN rail mounting)
Material	Polyamide grey / red
Dimensions (W x H x D)	22.5 x 92 x 85 mm
Type of connection	Pluggable screw terminals
Weight	150 g

■ Electrical data

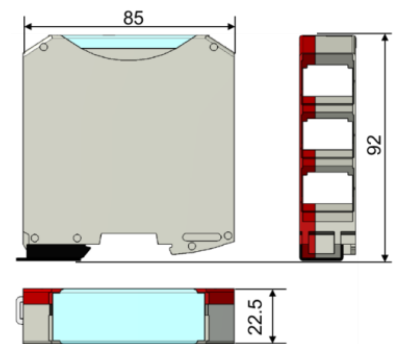
Supply voltage	24 V DC -20% to +20% 24 V AC -20% to +10%, 50/60 Hz
Power consumption	Max. 3 W
Input Sensors	For one or two sensors with 8.2 kΩ termination
Input Reset	24 V AC/DC, max. 3 mA@24 V U _{th} > 8 V DC
Safety outputs	Solid state relays, 24 V DC, min. 0,5 mA, max. 250 mA, R _{DS(on)} ca. 2 Ω, internally protected by a 300 mA fuse
Status output	Solid state relays, 24 V AC/DC, max. 250 mA, R _{DS(on)} ca. 2 Ω
Reaction time (activation)	< 5 ms
Recovery time (after activation)	< 30 ms
Start-up time	< 300 ms
External reset pulse (required)	> 100 ms
Display	LCD and LED (green, orange, red)
Compliance	PLe, Cat3 acc. to EN ISO 13849-1

■ Functions

Reset (Acknowledge)	programmable Automatically (auto start) manually (pushbutton) manually (external)
Holding time	Between 0 and 1'000 ms (5 steps)
Debouncing (input delay)	0, 15, 30 or 45 ms
Status relay	Fault / signal

■ Ambient conditions

Protection category	IP20
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +70°C
Air humidity	Max. 95% relative, non-condensing



Box contents:

EsMatix 3, instruction manual (DE, EN, FR, ES, IT, SV, CN)
Package: 125 x 100 x 50 mm