



EsMatix 3

Part No. 364283

DATASHEET

Safety switching device Cat. 3 for sensors with 8.2 kOhm

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

▪ Mechanical data

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

▪ Electrical data

Supply voltage	24 VDC -20% to +20% 24 VAC -20% to +10%
Power consumption	Max. 3 VA
Input Sensors	For one or two sensors with 8.2 kOhm termination
Input Reset	24 VACDC
Safety outputs	Solid state relays max. On-resistance: 2 Ω 24 VDC, max. 250 mA internally protected by a 300 mA fuse
Status output	Solid state relays 24 VACDC, max. 250 mA
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	Cat. 3, PLe 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	IP30
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +70°C
Rel. air humidity	< 95%, non-condensing

Box contents:

EsMatix 3, instruction manual (DE, EN, FR, ES, IT, SV, CN)

