



Product designation

SRB

Product type designation

Safe outputs
expansion module

General characteristics

General characteristics

Functions

Expansion
module

Contact characteristics

Type of contact

4NO+1NC

Operations

Mechanical life

cycles $>10^7$

Auxiliary supply

Nominal auxiliary voltage supply

24VAC/DC

Operating range

V 22...26VDC /
20.4...27.6VAC

Frequency range

Hz 50/60

Overvoltage category

III

Insulation voltage

kV 4

Protections

Short circuit with
PTC

Input characteristics

Number of inputs

Nr. 2

Resistance input circuit

k Ω Max 1

Input current

mA Typical 5

Input voltage

0-35VDC

Output characteristics

Number of safe outputs NO

Nr. 4

Number of safe outputs NC

Nr. 0

Number of feedback outputs

Nr. 1NC

Output type

Voltage free
contacts, relays
with forcibly
guided contacts

Output contacts ratings

AC1 250V: 6A-
2000VA AC15
230V: 3A DC1
24V: 6A DC13
24V: 2.5A

UL 508 ratings

Pilot duty: B300-
R300

Mechanical life

cycles $>10^7$

Electrical life AC1 at 360 commutations/h

cycles 10^5

Safety parameters

ISO 13849-1 security category

Cat. 4

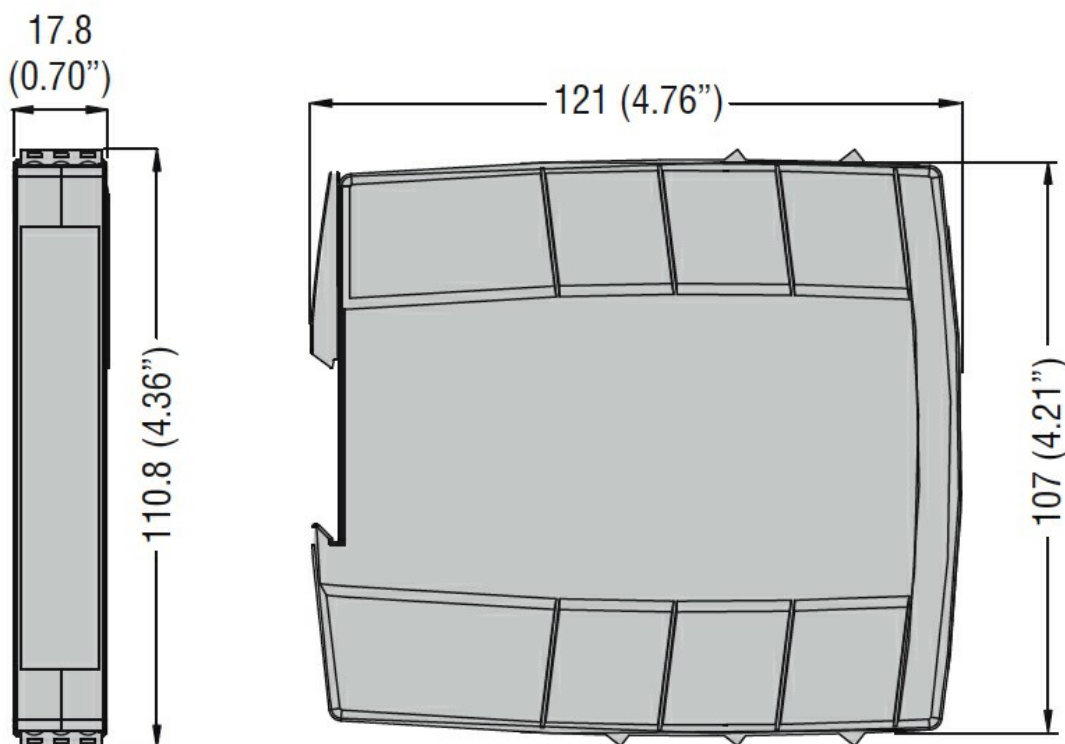
ISO 13849-1 performance level

PLe

Mechanical features

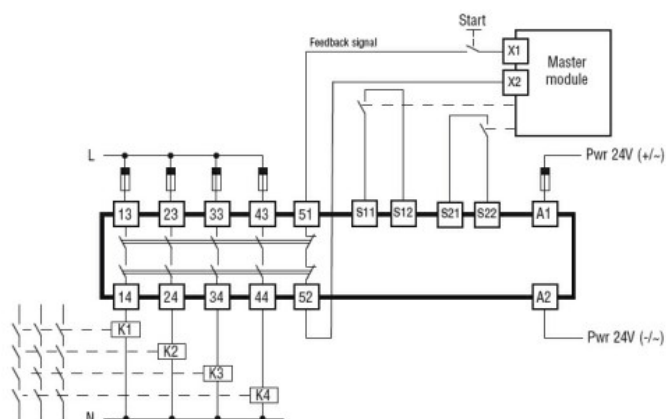
Cable connection	Removable screw terminal
Fixing	35mm DIN rail
Weight	g 239
Ambient conditions	
Protection degree	IP40 on front IP20 on terminals
Pollution degree	2
Temperature	
Operating temperature	
min	°C -25
max	°C +60
Storage temperature	
min	°C -30
max	°C +70
Relative humidity	% ≤95

Dimensions

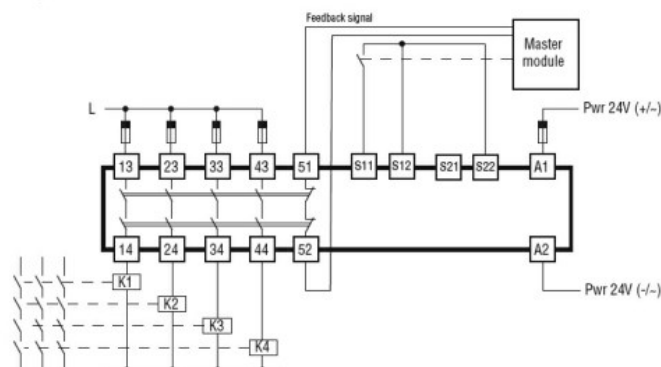


Wiring diagrams

Double channel mode



Single channel mode



Certifications and compliance

Compliance

EN/BS 13849-1

Certificates

cULus

TUV

ETIM classification

ETIM 8.0

EC001449 -
Device for
monitoring of
safety-related
circuits