



Product designation

SRB

Product type designation

Safe outputs
expansion module

General characteristics

Functions

Expansion
module

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

kΩ

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

>10⁷

Electrical life AC1 at 360 commutations/h

cycles

10⁵

Safety parameters

ISO 13849-1 security category

Cat. 4

ISO 13849-1 performance level

PL_e

Mechanical features

Cable connection

Removable
screw terminal

Fixing

35mm DIN rail

Weight

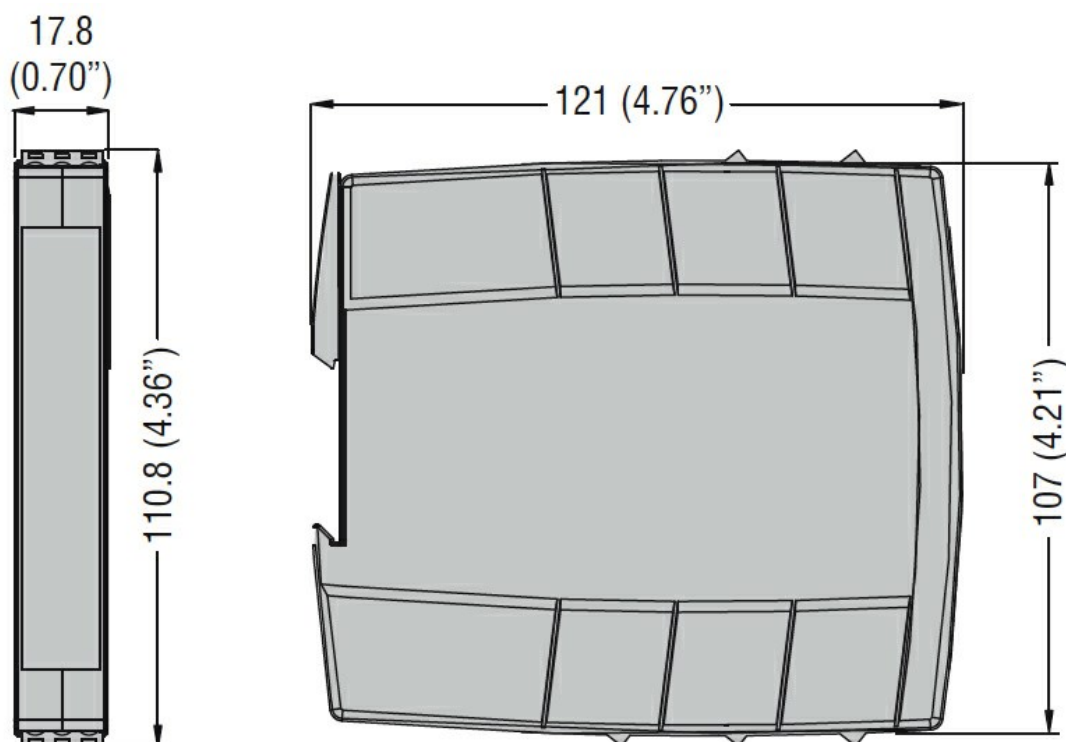
g

239

Ambient conditions

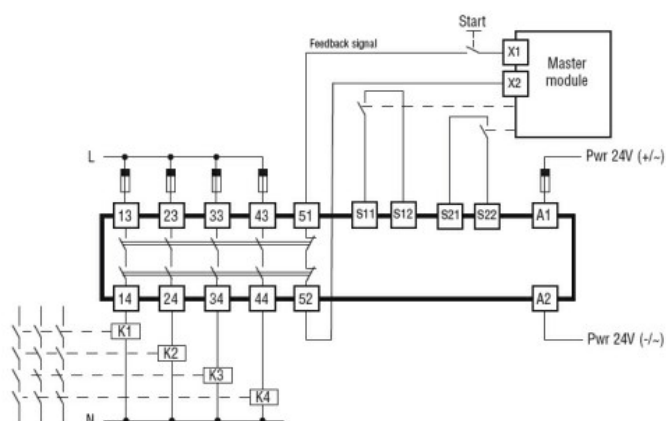
Protection degree	IP40 on front IP20 on terminals		
Pollution degree	2		
Temperature			
Operating temperature	min	°C	-25
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+70
Relative humidity		%	≤95

Dimensions [mm (in)]

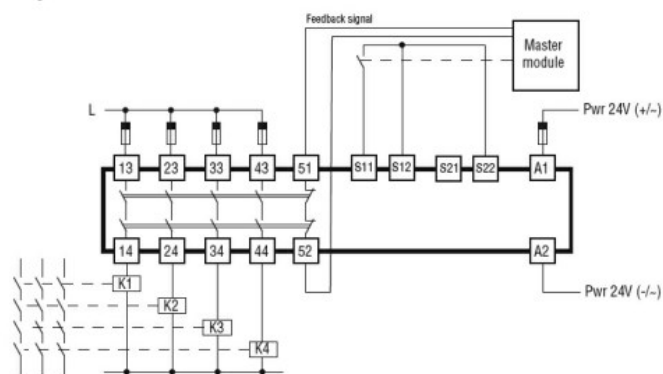


Wiring diagrams

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