



**SRB**  
Safe outputs  
expansion module

Product designation

Product type designation

**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 >10<sup>7</sup>

Electrical life AC1 at 360 commutations/h

cycles 10<sup>5</sup>

**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

**Certifications and compliance**

Compliance

EN/BS 13849-1

Certifications and compliance

cULus

TUV

**ETIM classification**

ETIM 8.0

EC001449 -  
Device for  
monitoring of  
safety-related  
circuits