

product data sheet

item no. R1.188.3950.0

device for monitoring of safety-related circuits SNE 1
DC 24V

Output expansion relay, 2 change over contacts, DC 24 V,
mounted in a socket



item no.	R1.188.3950.0
EAN	4049088184765
order unit	1 piece(s)

certificates / approvals



technical data

general

function display	no
creepage distances and clearances between the circuits	EN 60664-1
protection degree according to DIN EN 60529 (housing)	IP20
protection degree according to DIN EN 60529 (terminals)	IP20
ambient temperature min.	-40 °C
ambient temperature max.	70 °C
wire ranges screw terminals, fine-stranded / solid	0.75 - 4 mm ²
tightening moment	0.5 Nm
weight	0.02 kg
suitable for safety functions	yes
start contact	no
rail mounting possible	yes

connection data

detachable clamps	no
type of electric connection	screw connection

application

model	expansion device
suitable for monitoring of magnetic switches	no
suitable for monitoring of emergency-stop circuits	no
suitable for monitoring of optoelectronic protection equipment	no
suitable for monitoring of position switches	no
suitable for monitoring of tactile sensors	no

output circuit

enabling paths	change-over contact
contact material	AgNi
rated switching voltage, enabling paths AC	250 V
rated switching voltage, enabling paths DC	24 V
max. thermal current I _{th} , enabling paths	8 A
max. total current I ² of all current path	72 A ²
application category AC-15 (NO)	U _e 230V, I _e 2A
application category DC-13 (NO)	U _e 24V, I _e 3A
short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral < 100 A ² s
mechanical life	10 ⁷ switching cycles
outputs, signalling function, delayed, with contact	0
outputs, safe, undelayed, with contact	2
outputs, safe, delayed, with contact	0

control circuit

input current (safety circuit / reset circuit)	20 mA
response time tA1	13 ms
response time tA2	12 ms
min. switch-on time	14 ms
recovery time tW	> 40 ms
release time tR	< 20 ms

supply circuit

nominal voltage U _N	DC 24 V
rated consumption DC	0.7 W
operating voltage min.	15 V
operating voltage max.	30 V
electrical isolation supply circuit - control circuit	no
min. rated DC voltage for controls	15 V

dimensions

depth	75.3 mm
width	15.8 mm
height	78.6 mm

