

## 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 <sup>2</sup>
Tightening moment	0.5 Nm
Weight	0.02 kg
Suited 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	8 A
Max. total current I <sup>2</sup> of all current path	72 A <sup>2</sup>
Application category AC-15 (NO)	U <sub>e</sub> 230V, I <sub>e</sub> 2A
Application category DC-13 (NO)	U <sub>e</sub> 24V, I <sub>e</sub> 3A
Short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral < 100 A <sup>2</sup> s
Mechanical life	10 <sup>7</sup> 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

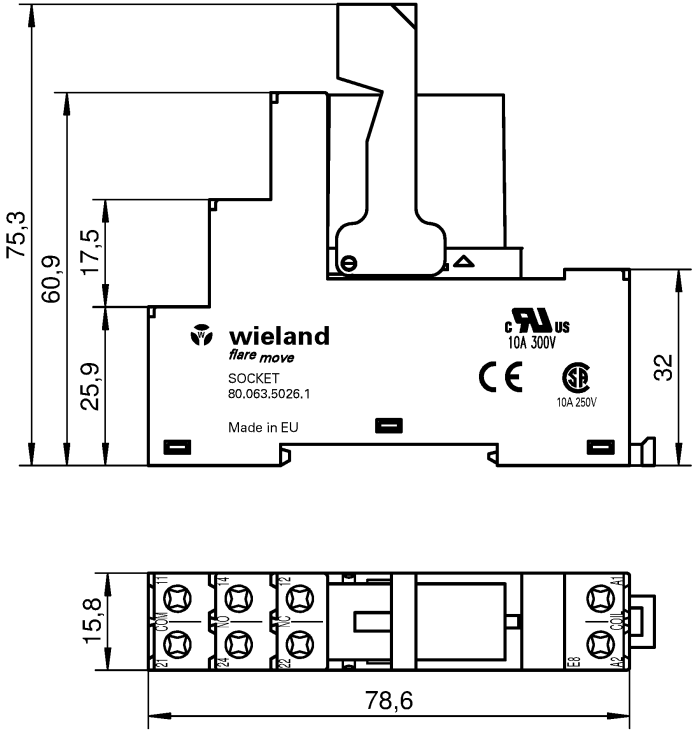
#### Supply circuit

Nominal voltage U	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

## Technical drawing

Q1 - PEE 12/92		A 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 M1 M2 M3 L G i 11.1 12.1 1.1
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ja/yes <input checked="" type="checkbox"/> Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!		
Freitoleranz nach General tolerance	CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed	1. Verwendung: First Use:
<div style="display: flex; align-items: center;"> <div style="flex-grow: 1;"> Werkstoff/ Material </div> </div>	<div style="display: flex; align-items: center;"> <div style="text-align: center; width: 50px;"> 2015 gezeichnet drawn geprüft checked Normgepr. Stand. check </div> <div style="text-align: center; width: 50px;"> Tag/ Date 10.06. Kötzner </div> <div style="text-align: center; width: 50px;"> Name Kötzner </div> </div>	Blatt: Sheet:
Maßstab/Scale	Zeichnung Nr./ Drawing No.  <b>R1.188.3950.0 01K</b>	
Maße in mm/Dimensions are in mm		
Datei/ File: 039841__01K.DCD	Ersatz für/ Replacement for:	
<div style="display: flex; align-items: center;"> <div style="flex-grow: 1;"> <b>wieland</b> www.wieland-electric.com </div> </div>	Type	Benennung/ Title  Teilespezifikation / Component specification  <b>Relaisbaustein SNE1 DC24V</b>

