

Product data sheet

Item No. R1.188.2040.0

Device for monitoring of safety-related circuits SNV4076SL-A 3S DC 24V

Base unit, single-channel or two-channel control, automatic-/ manual reset with reset switch monitoring, 3 immediate switching current paths, 3 enabling current path off-delayed not retriggerable, 0 - 3s, DC 24 V, screw-terminals pluggable



Item No.	R1.188.2040.0
EAN	4046521300119
Order Unit	1 Piece(s)

Certificates / Approvals



Technical data

General

Function display	5 LED, grün/rot
Creepage distances and clearances between the circuits	EN 60664-1
Protection degree according to DIN EN 60529 (housing)	IP40
Protection degree according to DIN EN 60529 (terminals)	IP20
Ambient temperature min.	-25 °C
Ambient temperature max.	55 °C
Wire ranges screw terminals, fine-stranded / solid	1 x 0,2 mm ² - 2,5 mm ² / 2 x 0,2 mm ² - 1,0 mm ²
Wire ranges screw terminals, fine-stranded with ferrules	1 x 0,25 mm ² - 2,5 mm ² / 2 x 0,25 mm ² - 1,0 mm ²
Permissible torque min.	0.5 Nm
Permissible torque max.	0.6 Nm
Tightening moment	0.6 Nm
Weight	0.33 kg
Standards	EN ISO 13849-1EN 62061
Suited for safety functions	Yes
With muting function	No
Feedback circuit	Yes
Start contact	Yes
Stop category acc. to IEC 60204	1
Rail mounting possible	Yes

Connection Data

Detachable clamps	Yes
Type of electric connection	Screw connection

Application

Model	Basic device
Suitable for monitoring of magnetic switches	Yes
Suitable for monitoring of proximity switches	Yes
Suitable for monitoring of emergency-stop circuits	Yes
Suitable for monitoring of optoelectronic protection equipment	Yes
Suitable for monitoring of position switches	Yes

Output circuit

Enabling paths	Normally open contact
Enabling paths, time delayed	Normally open contact, off delay
Signaling paths	Opener
Contact material	Ag-alloy, gold-plated
Rated switching voltage, enabling paths AC	230 V
Rated switching voltage, enabling paths DC	24 V
Rated switching voltage, signaling paths AC	230 V
Rated switching voltage, signaling paths DC	24 V
Max. thermal current I	6 A
Max. thermal current I	2 A
Max. total current I ² of all current path	40 A ²
Application category AC-15 (NO)	Ue 230V, Ie 3A
Application category DC-13 (NO)	Ue 24V, Ie 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, undelayed, with contact	1
Outputs, signalling function, delayed, with contact	0
Outputs, safe, undelayed, with contact	3
Outputs, safe, delayed, with contact	3

Control circuit

Response time tA1	200 ms
Response time tA2	200 ms
Min. switch-on time	100 ms
Recovery time tW	> 50 ms
Release time tR	< 20 ms
Release time tR, delayed contacts (tolerance)	0,1 - 3 s (+- 0,1 %, + 15ms)
Type of switch function of the inputs	Normally open contact
Evaluation inputs	2-channel

Supply circuit

Nominal voltage U	DC 24 V
Rated consumption DC	2.8 W
Electrical isolation supply circuit - control circuit	No
Min. rated DC voltage for controls	20.4 V
Max. rated DC voltage for controls	26.4 V
Min. rated control supply voltage at DC	20.4 V

Dimensions

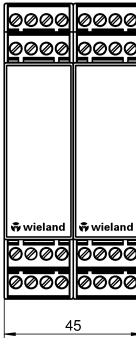
Depth	114 mm
Width	45 mm
Height	96.5 mm

Technical drawing

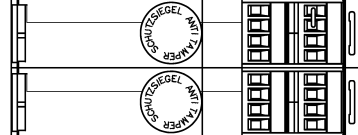
04 - PRE 12/02

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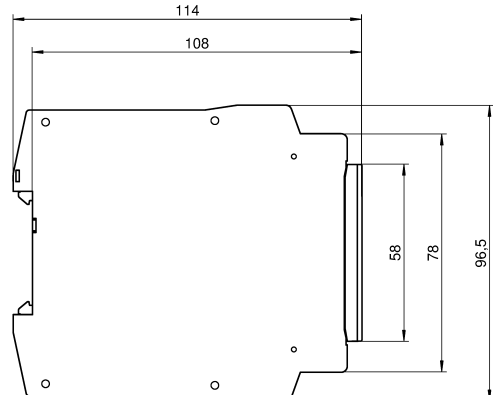
Teile-Nr. / Part-No.
R1.188.2040.0
R1.188.2070.0
R1.188.2100.0
R1.188.2130.0
R1.188.2160.0
R1.188.2190.0
R1.188.2220.0
R1.188.2250.0
R1.188.2280.0
R1.188.2310.0
R1.188.2340.0
R1.188.2370.0
R1.188.2470.0
R1.188.2500.0
R1.188.2530.0
R1.188.2560.0
R1.188.2590.0
R1.188.2620.0
R1.188.2650.0
R1.188.2680.0
R1.188.2710.0
R1.188.2740.0
R1.188.2770.0
R1.188.2800.0
R1.188.3120.0
R1.188.3510.0



45



114
108



58
78
96.5

Werte für die Abmessungen sind in mm angegeben. Die Maße sind in der Zeichnung angegeben. Die Maße sind in der Zeichnung angegeben. Die Maße sind in der Zeichnung angegeben.

Weitere Angaben siehe KATALOG oder eKatalog.	www.wieland-electric.com
Additional data see CATALOG or eCatalog.	
eshop.wieland-electric.com	

ja/yes Stoffverbots- und Deklarationsliste nach NN 5020.010 ist einzuhalten.
 Conformity with Wieland document NN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared

Freiheiten nach General tolerance: CAD-Zeichnung, keine manuellen Änderungen / CAD-Drawing, no manual modifications allowed

1. Verwendung: First Use: Sheet:

Werkstoff/ Material	2014	Tag/ Date	Name	Zeichnung Nr. / Drawing No.
Maßstab/Scale	gezeichnet/created	05.06.	Kötzner	T R1.188.3120.0 01K
	geprüft/checked			
	geprüft/checked			
	geprüft/checked			

Maße in mm/Dimensions are in mm

Detail/ File: 030021_A01K_R1.188.3120.0.DCD Ersatz für/ Replacement for:

Type	Benennung/ Title
	Maßbildzeichnung/dimension drawing Standardgehäuse u. -deckel, Baubreite 45mm, Schraubklemmen steckbar standard housing and cover, overall with 45mm plug-in pcb terminal

03.02.15
 Index: 03.02.15
 Änderung/ Revision

wieland
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