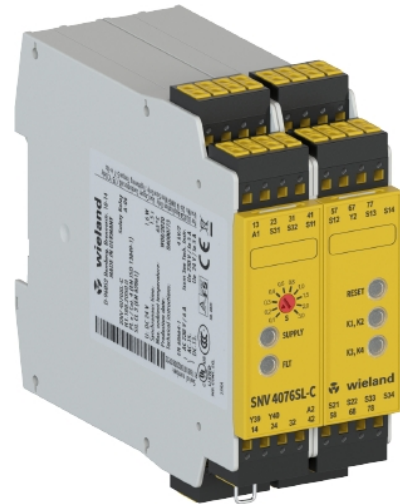


## Data sheet

Commercial Art.No.: R1.188.2050.0

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

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



Commercial Art.No.	R1.188.2050.0
EAN	4046521300126
Order Unit	1

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 range cage clamp terminals	2 x 0,25mm <sup>2</sup> - 1,5mm <sup>2</sup>
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	spring clamp connection

### Application

Model	Basic device
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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 $I_{th}$ , enabling paths	6 A
Max. thermal current $I_{th}$ , signaling paths	2 A
Max. total current $I^2$ of all current path	40 A <sup>2</sup>
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 <sup>2</sup> s
Mechanical life	10 <sup>7</sup> 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 $U_N$	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	106.5 mm

#### Classification

ECLASS 11	
ECLASS 8.1	27371819
ETIM 7.0	EC001449
ETIM 6.0	EC001449
ETIM 5.0	EC001449
ETIM 4.0	EC001449
ETIM 3.0	EC001449

**Safety parameters**

Category (ISO 13849-1)	4
PL (ISO 13849-1)	Level e
SIL <sub>CL</sub> (IEC 62061)	3
PFD <sub>d</sub> (Low demand mode)	8.7 E-6
PFH <sub>d</sub> (High demand mode)	2 E-9 1/h
HFT	1
SSF	99.7 %
DC	99 %
MTTF <sub>d</sub>	85 a
λS	4586 FIT
λD	1346 FIT
λDU	18.9 FIT
λDD	1327.1 FIT
T <sub>M</sub>	20 a
Proof test intervall (High demand mode)	20 a