

## Data sheet

Commercial Art.No.: R1.188.2010.0

device for monitoring of safety-related circuits SNV4063KL-C 3S DC 24V (A)

Base unit, single-channel or two-channel control, automatic-/manual reset with reset switch monitoring, 2 immediately switching current paths, 1 enabling current path off-delayed, 0,15s - 3s, DC 24 V, push-in-terminals pluggable



Commercial Art.No.	R1.188.2010.0
EAN	4046521297440
Order Unit	1

certificates / approvals



## Technical data

### general

function display	3 LED, green
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	0.2 kg
standards	EN ISO 13849-1EN 62061; EN 62061
suitable 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

### safety parameters

category (ISO 13849-1)	4 / 3
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PL (ISO 13849-1)	level e / d
SIL <sub>CL</sub> (IEC 62061)	3
HFT	1
MTTF <sub>d</sub>	53 a
T <sub>M</sub>	20 a
proof test intervall (High demand mode)	20 a

#### 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
contact material	Ag alloy, gold-plated
rated switching voltage, enabling paths AC	230 V
rated switching voltage, enabling paths DC	24 V
max. thermal current I <sub>th</sub> , enabling paths	6 A
max. total current I <sup>2</sup> of all current path	5 A <sup>2</sup>
application category AC-15 (NO)	Ue 230V, Ie 3A
application category DC-13 (NO)	Ue 24V, Ie 2A
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	0
outputs, signalling function, delayed, with contact	0
outputs, safe, undelayed, with contact	2
outputs, safe, delayed, with contact	1

#### control circuit

nominal output voltage DC	22 V
input current (safety circuit / reset circuit)	25 mA
max. peak current (safety circuit / reset circuit)	2500 mA
response time tA1	30 ms
response time tA2	700 ms
min. switch-on time	200 ms
recovery time tW	> 500 ms
release time tR	< 25 ms
release time tR, delayed contacts (tolerance)	0.15 - 3 s (+- 16 %)
synchronous time tS	500 ms
permissible test pulse time tTP	< 1 ms
max. resistivity, per channel	≤ (5 + (1.176 x UB / UN - 1) x 100) Ω
type of switch function of the inputs	normally open contact
evaluation inputs	2-channel

#### supply circuit

nominal voltage UN	DC 24 V
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rated consumption DC	2.6 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	22.5 mm
height	106.5 mm

**classification**

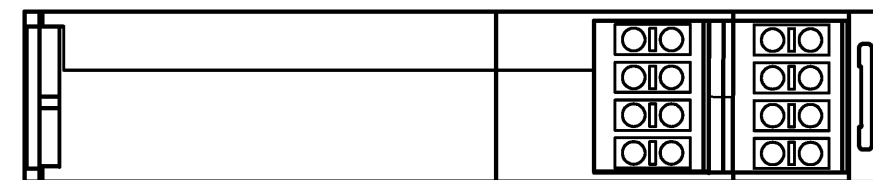
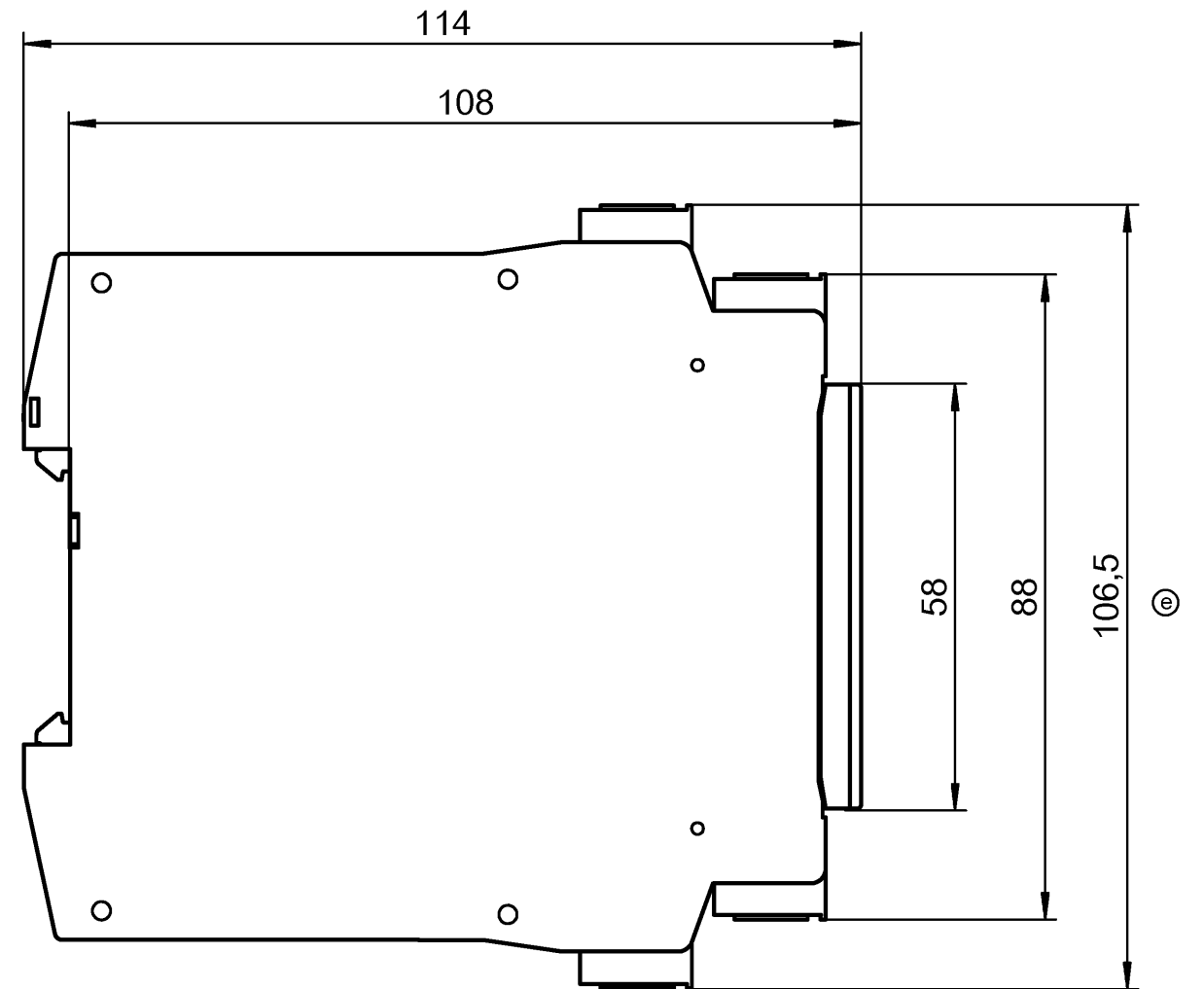
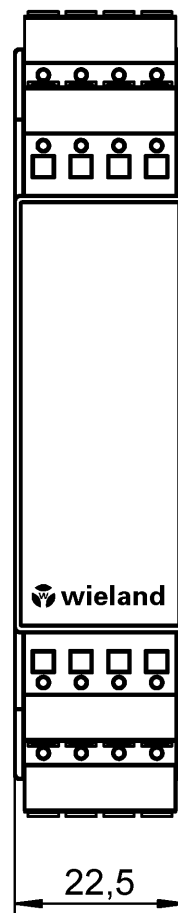
ECLASS 11	
ECLASS 8.1	27371819
ETIM 9.0	EC001449
ETIM 8.0	EC001449
ETIM 7.0	EC001449
ETIM 6.0	EC001449
ETIM 5.0	EC001449
ETIM 4.0	EC001449
ETIM 3.0	EC001449

**product compliance**

ROHS conformity status	compliant/exempted
ROHS exceptions	III-7(c)I
REACH-SVHC conformity status	compliant

Teile Nr. / Part No.
R1.188.1940.0
R1.188.1950.0
R1.188.1960.0
R1.188.1970.0
R1.188.1980.0
R1.188.1990.0
R1.188.2000.0
R1.188.2010.0
R1.188.2020.0
R1.188.2390.0
R1.188.2410.0
R1.188.2420.0
R1.188.2430.0
R1.188.2440.0
R1.188.2450.0
R1.188.3400.0
R1.188.3410.0
R1.188.3420.0
R1.188.3430.0
R1.188.3490.0
R1.188.3600.0

Teile Nr. / Part No.
R1.188.3610.0
R1.188.3630.0
R1.188.3650.0
R1.188.3670.0
R1.188.3730.0
R1.188.3820.0
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R1.188.3940.0
R1.188.4000.0
R1.188.4010.0
R1.188.4030.0
R1.188.4130.0
R1.188.4140.0
R1.188.4150.0
R1.188.4160.0
R1.188.4210.0
R1.188.5000.0



Weitere Angaben siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog. [www.wieland-electric.com](http://www.wieland-electric.com) [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

ja/yes <input 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!		1. Verwendung: First Use:		Blatt: Sheet:	
Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		Zeichnung Nr./Drawing No. <b>T R1.188.1940.0 01K</b>	
Werkstoff/Material		2014 gezeichnet drawn	Tag/Date 06.06.	Name Koetzner	
Maßstab/Scale		geprüft checked		Maße in mm/Dimensions are in mm	
Datei/File: 036141_F01K.DCD		Ersatz für/Replacement for:			
Datum/Blatt Date/Sheet		Type	Benennung/Title Maßbildzeichnung/Dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Federkraftklemme steckbar Standard housing and cover, overall width 22,5mm plug-in spring-clamp terminal		
Änderung/Revision		 <a href="http://www.wieland-electric.com">www.wieland-electric.com</a>			

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