

## Data sheet

Commercial Art.No.: R1.188.0620.0

device for monitoring of safety-related circuits SNV4063KL-A 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, screw terminals pluggable



Commercial Art.No.	R1.188.0620.0
EAN	4015573808720
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 ranges screw terminals, fine-stranded / solid	1 x 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / 2 x 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup>
wire ranges screw terminals, fine-stranded with ferrules	1 x 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / 2 x 0.25 mm <sup>2</sup> - 1.0 mm <sup>2</sup>
permissible torque min.	0.5 Nm
permissible torque max.	0.6 Nm
tightening moment	0.6 Nm
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	screw connection

**safety parameters**

category (ISO 13849-1)	4 / 3
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
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	96.5 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-6(c); III-7(c)I
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

Teile Nr. / Part No.
R1.188.0460.0
R1.188.0470.0
R1.188.0480.0
R1.188.0490.0
R1.188.0500.1
R1.188.0530.1
R1.188.0590.0
R1.188.0620.0
R1.188.0640.0
R1.188.0660.0
R1.188.0680.0
R1.188.0700.2
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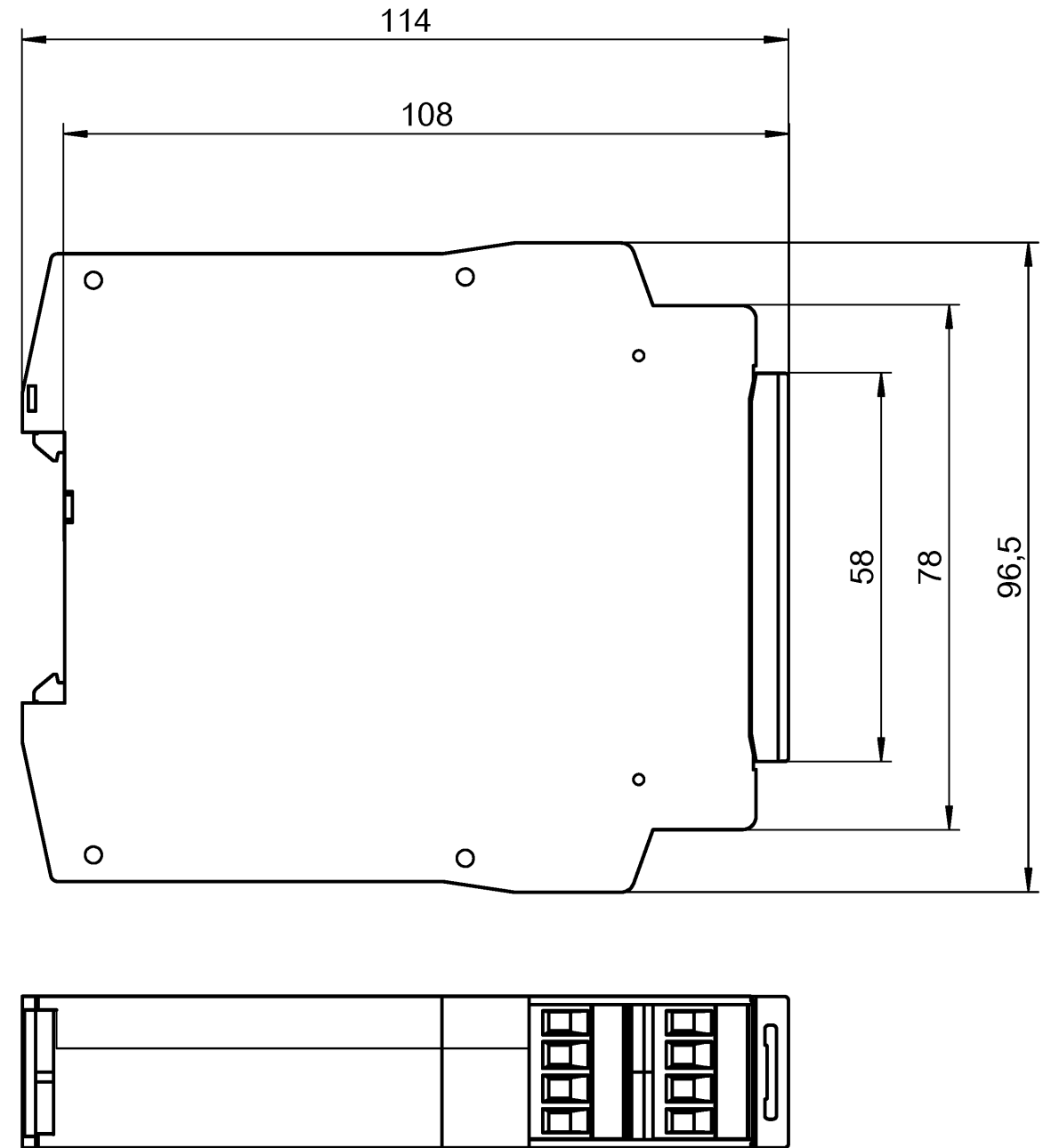
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 Additional data see CATALOG or eCatalog. [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

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Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		Zeichnung Nr./ Drawing No. <b>T R1.188.0460.0 01K</b>
	Werkstoff/ Material	2014 gezeichnet drawn	Tag/ Date 06.06.	Name Kötzner
ⓔ	22.04.16	Maßstab/Scale		
ⓓ	17.03.15			
ⓐ	03.02.15	Datei/ File: 030181_E01K.DCD	Ersatz für/ Replacement for:	
ⓑ	04.07.14		Type	Benennung/ Title
ⓓ	25.06.14			Maßbildzeichnung/dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Schraubenklemmen steckbar standard housing and cover, overall with 22,5mm plug-in pcb terminal
Index	Datum/ Blatt Date/ Sheet	<b>wieland</b> <a href="http://www.wieland-electric.com">www.wieland-electric.com</a>		
Änderung/ Revision				

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