

product data sheet

item no. R1.188.0990.0

device for monitoring of safety-related circuits SNO4063K-A AC/DC 24V (A)

Base unit, single-channel or dual-channel control, automatic-/ manual reset with reset switch monitoring, 3 enabling current paths, AC/DC 24 V 50-60Hz, screw-terminals pluggable



item no.	R1.188.0990.0
EAN	4015573809895
order unit	1 piece(s)

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 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	0.21 kg
standards	EN ISO 13849-1EN 62061EN 62061
suitable for safety functions	yes
with muting function	no
feedback circuit	yes
start contact	yes
stop category acc. to IEC 60204	0
rail mounting possible	yes

connection data

detachable clamps	yes
type of electric connection	screw 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
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 _{th} , enabling paths	6 A
max. total current I ² of all current path	9 A ²
application category AC-15 (NO)	Ue 230V, Ie 3A
application category DC-13 (NO)	Ue 24V, Ie 2.5A
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, safe, undelayed, with contact	3
outputs, safe, delayed, with contact	0

control circuit

nominal output voltage DC	22 V
input current (safety circuit / reset circuit)	40 mA
max. peak current (safety circuit / reset circuit)	100 mA
response time tA1	40 ms
response time tA2	600 ms
min. switch-on time	80 ms
recovery time tW	> 100 ms
release time tR	< 25 ms
synchronous time tS	leer 200 ms
permissible test pulse time tTP	< 1 ms
max. resistivity, per channel	# (5 + (1.176 x U _B / U _N - 1) x 100) #
type of switch function of the inputs	normally open contact
evaluation inputs	2-channel

supply circuit

nominal voltage U _N	AC/DC 24 V
rated consumption AC	4.4 VA
rated consumption DC	2 W
rated frequency min.	50 Hz
rated frequency max.	60 Hz
operating voltage min.	20.4 V
operating voltage max.	26.4 V
electrical isolation supply circuit - control circuit	no
min. rated control supply voltage at AC 50 Hz	20.4 V
max. rated AC voltage for controls, 50 Hz	26.4 V
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
rated control supply voltage at AC 60HZ	20.4 V
rated control supply voltage at AC 50HZ	26.4 V

dimensions

depth	114 mm
width	22.5 mm
height	96.5 mm

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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
R1.188.0720.2
R1.188.0900.1
R1.188.0910.1
R1.188.0940.1
R1.188.0950.1
R1.188.0990.0
R1.188.1000.0
R1.188.1010.0
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R1.188.1070.0
R1.188.1120.0
R1.188.1280.0
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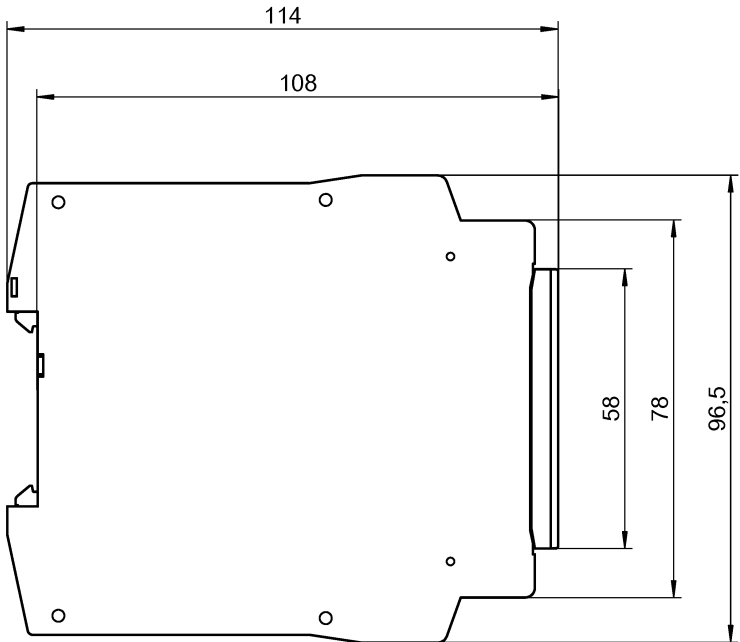
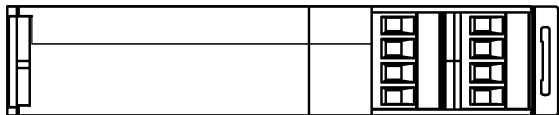
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Additional data see CATALOG or eCatalog.

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eshop.wieland-electric.com

☐ ja/yes ☐ 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:		Blatt: Sheet:	
			Werkstoff/ Material		2014	Tag/ Date	Name	Zeichnung Nr./ Drawing No.	
					gezeichnet drawn	06.06.	Kötzner	T R1.188.0460.0 01K	
Ⓔ 22.04.16		Maßstab/Scale			geprüft checked				
Ⓓ 17.03.15					Normgepr. Stand. check				
Ⓒ 03.02.15			Datei/ File: 030181_E01K.DCD		Ersatz für/ Replacement for:				
Ⓑ 04.07.14			wieland www.wieland-electric.com		Type	Benennung/ Title		Maßbildzeichnung/dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Schraubenklemmen steckbar standard housing and cover, overall with 22,5mm plug-in pcb terminal	
Ⓐ 25.06.14									
Index									
Änderung/ Revision									

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