

product data sheet

item no. R1.188.3930.0

expansion device for basic devices in safety applications SNE4024K-A DC 24V

Output expansion unit, 2x2 enabling current paths, 2x1 signalling outputs, DC 24 V, screw-terminals pluggable



item no.	R1.188.3930.0
EAN	4049088166198
order unit	1 piece(s)

certificates / approvals



technical data

general

function display	2 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.	65 °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	0.18 kg
standards	EN ISO 13849-1EN 62061EN 62061
suitable for safety functions	yes
with muting function	no
feedback circuit	yes
start contact	no
stop category acc. to IEC 60204	0
rail mounting possible	yes

connection data

detachable clamps	yes
type of electric connection	screw connection

application

model	expansion device
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suitable for monitoring of magnetic switches	no
suitable for monitoring of proximity switches	no
suitable for monitoring of emergency-stop circuits	no
suitable for monitoring of optoelectronic protection equipment	no
suitable for monitoring of position switches	no
suitable for monitoring of tactile sensors	no

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. thermal current I _{th} , signaling paths	1 A
application category AC-15 (NO)	Ue 230V, Ie 3A
application category DC-13 (NO)	Ue 24V, Ie 1A
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	2
outputs, safe, undelayed, with contact	4
outputs, safe, delayed, with contact	0

control circuit

max. peak current (safety circuit / reset circuit)	110 mA
response time tA1	15 ms
response time tA2	15 ms
min. switch-on time	40 ms
recovery time tW	# 30 ms
release time tR	< 15 ms
max. resistivity, per channel	# (5 + (1.333 x U _B / U _N - 1) x 200) #

supply circuit

nominal voltage U _N	DC 24 V
rated consumption DC	1.4 W
operating voltage min.	18 V
operating voltage max.	30 V
electrical isolation supply circuit - control circuit	no

dimensions

depth	114 mm
width	22.5 mm
height	96.5 mm

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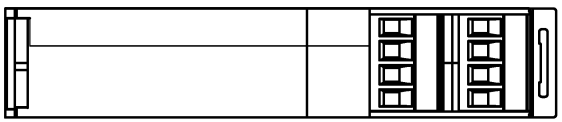
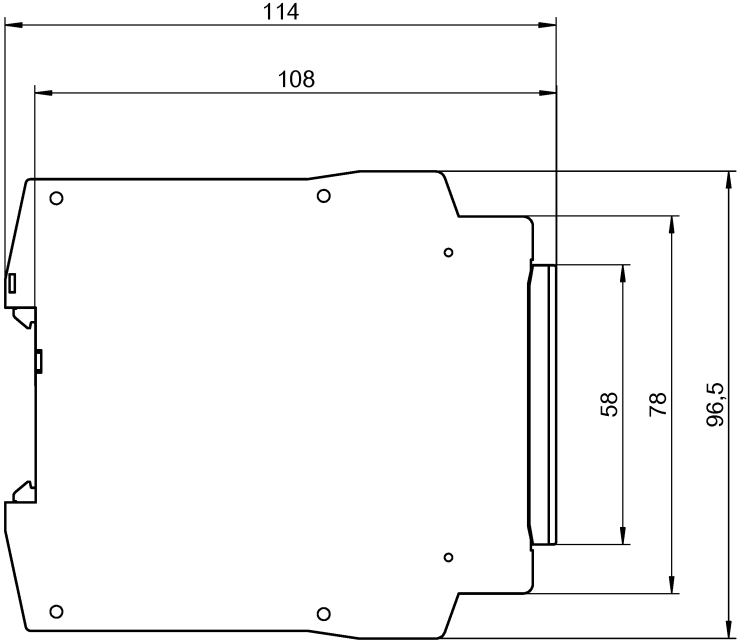
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Additional data see CATALOG or eCatalog.

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☒ 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 gezeichnet drawn geprüft checked Normgepr. Stand. check		Name Kötzner	
⑥ 22.04.16 ④ 17.03.15		Maßstab/Scale		Tag/ Date 06.06.		Zeichnung Nr./ Drawing No. T R1.188.0460.0 01K	
③ 03.02.15 ② 04.07.14 ① 25.06.14		Datei/ File: 030181_E01K.DCD		Ersatz für/ Replacement for:		Maße in mm/Dimensions are in mm	
Index Änderung/ Revision		www.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	

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