

Product data sheet

Item No. R1.188.0490.0

Device for monitoring of safety-related circuits SNE4004KV-A 3S DC 24V (A)

output expansion unit, 4 enabling current paths, 3 signalling outputs, off-delay buffered 1s, DC 24 V, screw-terminals pluggable



Item No.	R1.188.0490.0
EAN	4015573808324
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.	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	0.2 kg
Standards	EN ISO 13849-1EN 62061
Suited for safety functions	Yes
With muting function	No
Feedback circuit	Yes

Start contact	No
Stop category acc. to IEC 60204	1
Rail mounting possible	Yes

Connection Data

Detachable clamps	Yes
Type of electric connection	Screw connection

Application

Model	Expansion device
Suitable for monitoring of magnetic 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, 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
Rated switching voltage, signaling paths AC	230 V
Rated switching voltage, signaling paths DC	24 V
Max. thermal current I	6 A
Max. thermal current I	2 A
Max. total current I ² of all current path	40 A ²
Application category AC-15 (NO)	Ue 230V, Ie 5A
Application category DC-13 (NO)	Ue 24V, Ie 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, signalling function, undelayed, with contact	0
Outputs, signalling function, delayed, with contact	3
Outputs, safe, undelayed, with contact	0
Outputs, safe, delayed, with contact	4

Control circuit

Response time tA1	150 ms
Response time tA2	150 ms
Recovery time tW	> 40 ms
Release time tR	leer 3 s
max. resistivity, per channel	# (5 + (1,176 x UB / UN - 1) x 100) #

Supply circuit

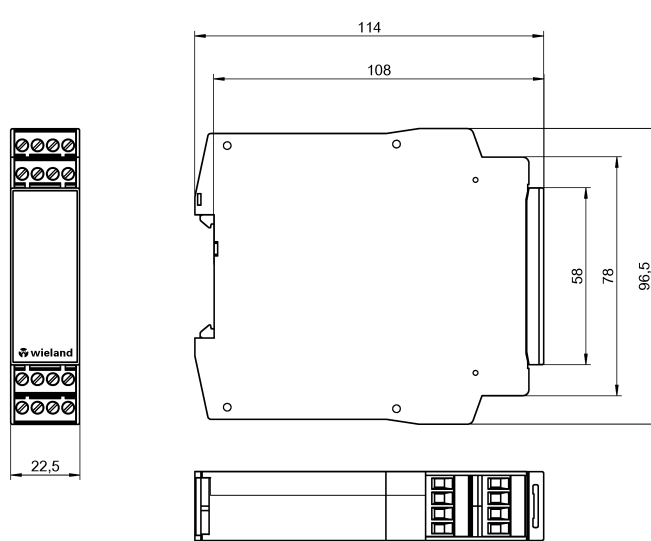
Nominal voltage U	DC 24 V
Rated consumption DC	1.6 W
Operating voltage min.	20.4 V
Operating voltage max.	26.4 V
Electrical isolation supply circuit - control circuit	No
Max. rated AC voltage for controls, 50 Hz	26.4 V
Min. rated DC voltage for controls	20.4 V
Max. rated DC voltage for controls	26.4 V
Min. rated control supply voltage at DC	20.4 V

Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

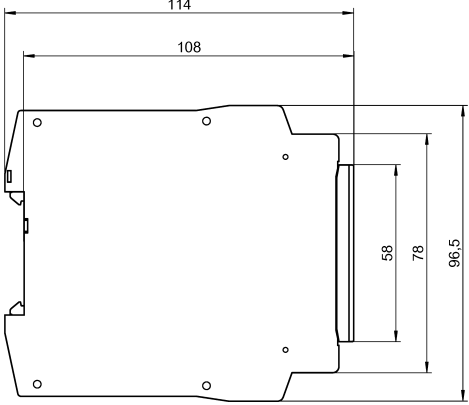
Technical drawing

Teile Nr. / Part No.	Teile Nr. / Part No.		
R1.188.0460.0	R1.188.1840.0		
R1.188.0470.0	R1.188.1850.0		
R1.188.0480.0	R1.188.1860.0		
R1.188.0490.0	R1.188.1870.0		
R1.188.0500.1	R1.188.1880.0		
R1.188.0530.1	R1.188.1890.0		
R1.188.0590.0	R1.188.1900.0		
R1.188.0620.0	R1.188.1910.0		
R1.188.0640.0	R1.188.1920.0		
R1.188.0660.0	R1.188.1930.0		
R1.188.0680.0	R1.188.3250.0		
R1.188.0700.2	R1.188.3290.0		
R1.188.0720.2	R1.188.3360.0		
R1.188.0900.1	R1.188.3480.0		
R1.188.0910.1	R1.188.3580.0		
R1.188.0940.1	R1.188.3590.0		
R1.188.0950.1	R1.188.3620.0		
R1.188.0990.0	R1.188.3640.0		
R1.188.1000.0	R1.188.3660.0		
R1.188.1010.0	R1.188.3710.0		
R1.188.1050.0	R1.188.3810.0		
R1.188.1060.0	R1.188.3830.0		
R1.188.1070.0	R1.188.3840.0		
R1.188.1120.0	R1.188.3910.0		
R1.188.1280.0	R1.188.3930.0		
R1.188.1340.0	R1.188.4020.0		
R1.188.1440.0	R1.188.4100.0		
R1.188.1450.0	R1.188.4110.0		
R1.188.1460.0	R1.188.4120.0		
R1.188.1480.0	81.030.0100.0		
R1.188.1810.0	81.030.0101.0		
R1.188.1820.0	81.030.0110.0		
R1.188.1830.0	81.030.0111.0		



Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

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ja/yes <input type="checkbox"/> Stoffverbots- und Deklarationsliste nach NN 5020.010 ist einzuhalten. Conformity with Wieland document NN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared		Frei toleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		1. Verwendung: First Use:		Blatt: Sheet:																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>2014</th> <th>Tag/ Date</th> <th>Name</th> </tr> <tr> <td>gezeichnet drawn</td> <td>05.06.</td> <td>Kötzner</td> </tr> <tr> <td>geprüft checked</td> <td></td> <td></td> </tr> <tr> <td>geplant planned</td> <td></td> <td></td> </tr> <tr> <td>freigegeben released</td> <td></td> <td></td> </tr> </table>		2014	Tag/ Date	Name	gezeichnet drawn	05.06.	Kötzner	geprüft checked			geplant planned			freigegeben released			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>22.04.16</td> <td>Maßstab/Scale</td> </tr> <tr> <td>17.03.15</td> <td></td> </tr> <tr> <td>03.02.15</td> <td></td> </tr> <tr> <td>04.07.14</td> <td></td> </tr> <tr> <td>25.06.14</td> <td></td> </tr> </table>		22.04.16	Maßstab/Scale	17.03.15		03.02.15		04.07.14		25.06.14		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Detail/ File: 030181_E01K.DCD</td> </tr> <tr> <td colspan="2">Ersetzt für/ Replacement for:</td> </tr> </table>		Detail/ File: 030181_E01K.DCD		Ersetzt für/ Replacement for:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Zeichnung Nr. / Drawing No.</td> </tr> <tr> <td colspan="2" style="text-align: center; font-size: 1.2em;">T R1.188.0460.0 01K</td> </tr> <tr> <td colspan="2" style="text-align: center;">Maße in mm/Dimensions are in mm</td> </tr> </table>		Zeichnung Nr. / Drawing No.		T R1.188.0460.0 01K		Maße in mm/Dimensions are in mm	
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 www.wieland-electric.com		Type		Benennung/ Title		Maßbildzeichnung/Dimension drawing		Standardgehäuse u. -deckel, Baubreite 22,5mm, Schrauben/Merkmale stockbar standard housing and cover, overall with 22.5mm plug-in pcb terminal																																		

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