

Product data sheet

Item No. R1.188.1980.0

Device for monitoring of safety-related circuits
SNE4004K-C AC/DC 24V (A)

output expansion unit, 4 enabling current paths, 3 signalling outputs, AC/DC 24 V 50-60Hz, push-in-terminals pluggable



Item No.	R1.188.1980.0
EAN	4046521297419
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
Tightening moment	0.6 Nm
Wire range cage clamp terminals	2 x 0,25mm ² - 1,5mm ²
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	0

Rail mounting possible	Yes
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Connection Data

Detachable clamps	Yes
Type of electric connection	Spring clamp 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	Normally open contact
Signaling paths	Opener
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	3
Outputs, signalling function, delayed, with contact	0
Outputs, safe, undelayed, with contact	4
Outputs, safe, delayed, with contact	0

Control circuit

Response time tA1	25 ms
Response time tA2	25 ms
Recovery time tW	> 40 ms
Release time tR	< 20 ms
max. resistivity, per channel	# (5 + (1,176 x UB / UN - 1) x 100) #

Supply circuit

Nominal voltage U	AC/DC 24 V
Rated consumption AC	3.3 VA
Rated consumption DC	1.6 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

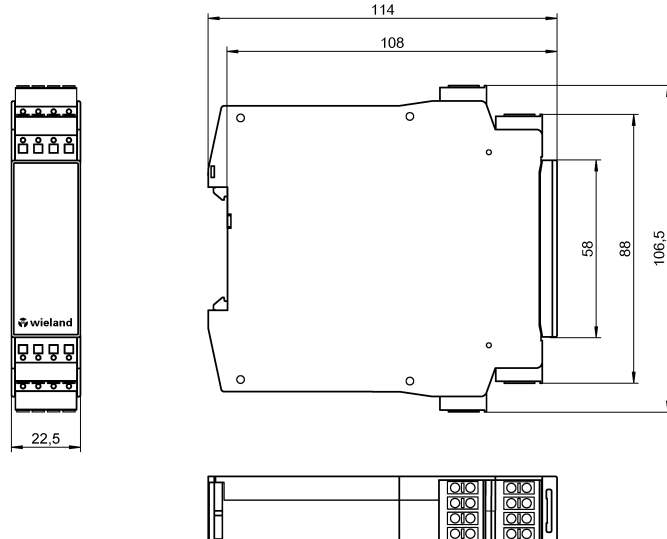
Dimensions

Depth	114 mm
Width	22.5 mm
Height	106.5 mm

Technical drawing

06 - PSE 10/92

Teile Nr. / Part No.	Teile Nr. / Part No.
R1.188.1940.0	R1.188.3610.0
R1.188.1950.0	R1.188.3630.0
R1.188.1960.0	R1.188.3650.0
R1.188.1970.0	R1.188.3670.0
R1.188.1980.0	R1.188.3730.0
R1.188.1990.0	R1.188.3820.0
R1.188.2000.0	R1.188.3850.0
R1.188.2010.0	R1.188.3860.0
R1.188.2020.0	R1.188.3900.0
R1.188.2390.0	R1.188.3920.0
R1.188.2410.0	R1.188.3940.0
R1.188.2420.0	R1.188.4000.0
R1.188.2430.0	R1.188.4010.0
R1.188.2440.0	R1.188.4030.0
R1.188.2450.0	R1.188.4130.0
R1.188.3400.0	R1.188.4140.0
R1.188.3410.0	R1.188.4150.0
R1.188.3420.0	R1.188.4160.0
R1.188.3430.0	R1.188.4210.0
R1.188.3490.0	R1.188.5000.0
R1.188.3600.0	



Weitere Angaben siehe KATALOG oder eKatalog. www.wieland-electric.com
 Additional data see CATALOG or eCatalog. eshop.wieland-electric.com

ja/yes Stoffverbot- 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

Freiolenz nach General tolerance	Werkstoff/Material	2014 Erstellt 06.06. Koetznier	Name Koetznier	Zeichnung Nr./Drawing No. T R1.188.1940.0 01K
① 09.08.19				
② 26.08.16				
③ 22.04.16				
④ 03.07.15	Daten/Files: 036141_F01K.DCD	Erstz für/Replacement for:		
⑤ 30.05.15		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	
⑥ 03.02.15				
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