

Data sheet

Commercial Art.No.: R1.188.3670.0

Stand still monitor SNS 4084K-C DC 24V 9,9 HZ

Zero-speed monitor (Frequency range 0.1 - 9.9 Hz) with start-up- bridging-function, automatic-/ manual reset with reset-button monitoring, 4 safe semiconductor outputs, DC 24 V, push-in terminals pluggable

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DIGITALIZATION IN PROGRESS

Commercial Art.No.	R1.188.3670.0
EAN	4049088108488
Order Unit	1

Certificates / Approvals



Technical data

General

Function display	12 LED, green/red
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
Permissible torque min.	0.5 Nm
Permissible torque max.	0.6 Nm
Tightening moment	0.6 Nm
Wire range cage clamp terminals	2 x 0,25mm ² - 1,5mm ²
Weight	0.16 kg
Standards	EN ISO 13849-1EN 62061; EN 62061
Suited 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	Spring clamp connection

Output circuit

Enabling paths	solid state (plus), safe output
Signaling paths	solid state (plus), not safe

Rated switching voltage, enabling paths DC	30 V
Max. thermal current I_{th} , enabling paths	2 A
Max. total current I^2 of all current path	4 A ²
Short-circuit protection (NO), max. fuse insert	short-circuit proof
Outputs, signalling function, undelayed, with contact	2
Outputs, safe, undelayed, with contact	4

Control circuit

Nominal output voltage DC	24 V
Input current (safety circuit / reset circuit)	3 mA
max. peak current (safety circuit / reset circuit)	3.8 mA
Min. switch-on time	100 ms
Recovery time t_W	> 100 ms
max. resistivity, per channel	100 m
Evaluation inputs	2-channel

Supply circuit

Nominal voltage U_N	DC 24 V
Rated consumption DC	1.8 W
Electrical isolation supply circuit - control circuit	No
Min. rated DC voltage for controls	20.4 V
Max. rated DC voltage for controls	30 V

Dimensions

Depth	114 mm
Width	22.5 mm
Height	106.5 mm

Classification

ECLASS 8.1	27371811
ETIM 7.0	EC001448
ETIM 6.0	EC001448
ETIM 5.0	EC001448

Application

Model	Basic device
Suitable for monitoring of magnetic switches	No
Suitable for monitoring of proximity switches	Yes

Safety parameters

Category (ISO 13849-1)	4
PL (ISO 13849-1)	Level e
SIL _{CL} (IEC 62061)	3
PFD _d (Low demand mode)	2.2 E-5
PFH _d (High demand mode)	5 E-9 1/h
HFT	1
DC	96 %
MTTF _d	300 a

T_M	20 a
Proof test intervall (High demand mode)	20 a

Teile Nr. / Part No.
R1.188.1940.0
R1.188.1950.0
R1.188.1960.0
R1.188.1970.0
R1.188.1980.0
R1.188.1990.0
R1.188.2000.0
R1.188.2010.0
R1.188.2020.0
R1.188.2390.0
R1.188.2410.0
R1.188.2420.0
R1.188.2430.0
R1.188.2440.0
R1.188.2450.0
R1.188.3400.0
R1.188.3410.0
R1.188.3420.0
R1.188.3430.0
R1.188.3490.0
R1.188.3600.0

Teile Nr. / Part No.
R1.188.3610.0
R1.188.3630.0
R1.188.3650.0
R1.188.3670.0
R1.188.3730.0
R1.188.3820.0
R1.188.3850.0
R1.188.3860.0
R1.188.3900.0
R1.188.3920.0
R1.188.3940.0
R1.188.4000.0
R1.188.4010.0
R1.188.4030.0
R1.188.4130.0
R1.188.4140.0
R1.188.4150.0
R1.188.4160.0
R1.188.4210.0
R1.188.5000.0

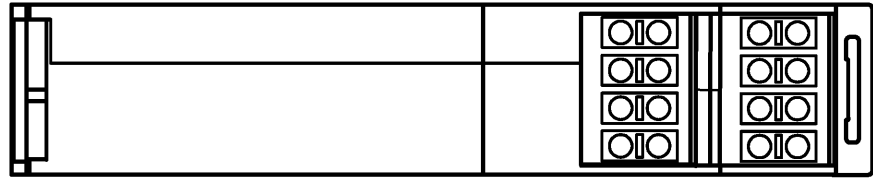
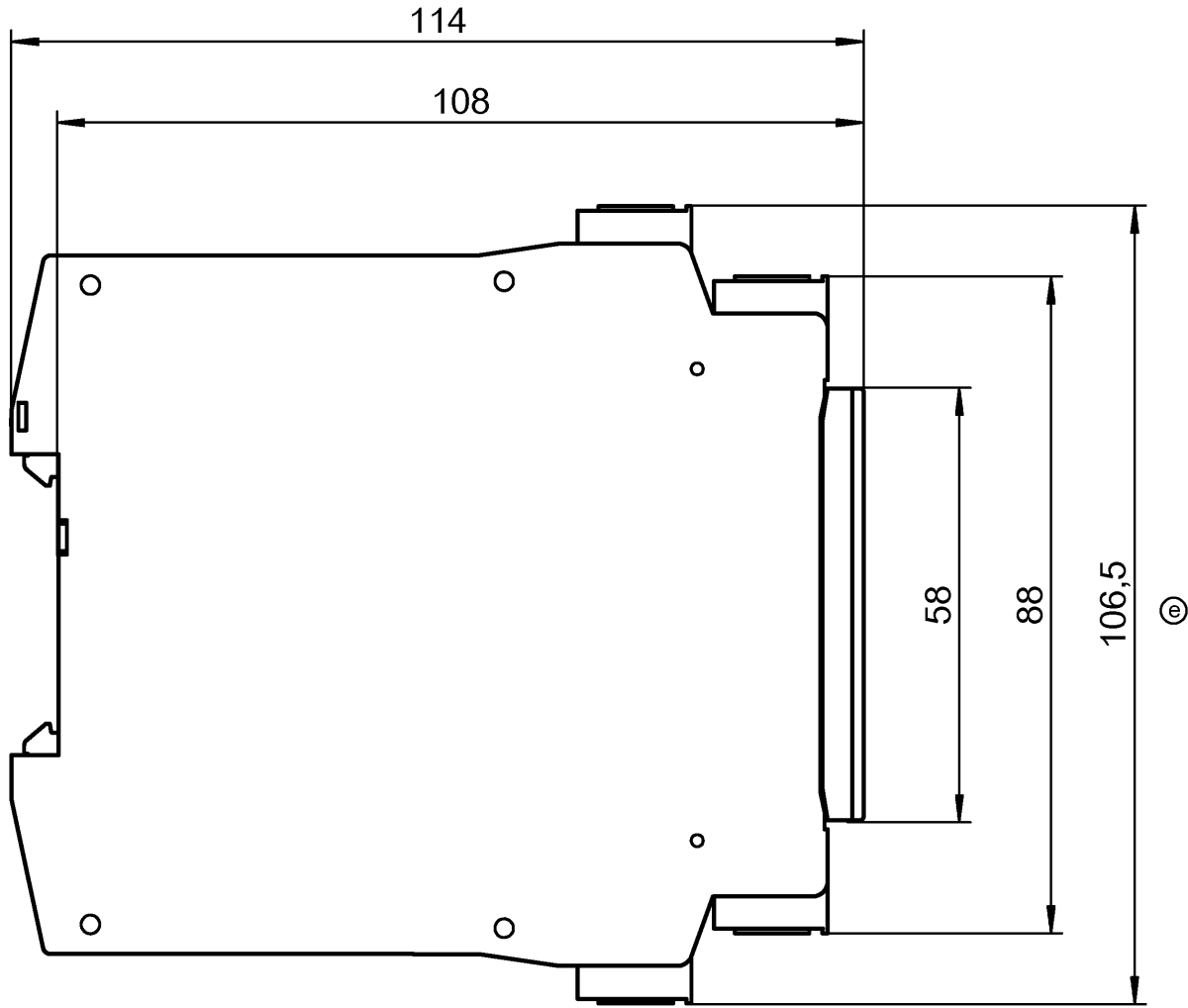
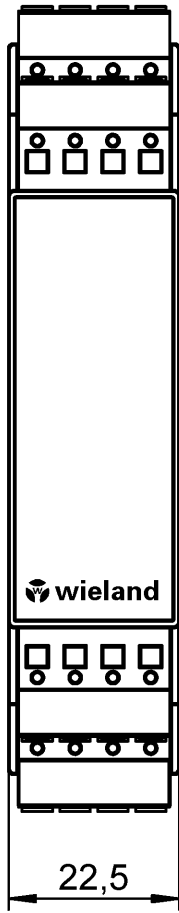
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Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

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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:						
Ⓕ		09.08.19				Werkstoff/Material		2014		Tag/Date		Name		Zeichnung Nr./Drawing No. T R1.188.1940.0 01K	
Ⓔ		26.08.16						gezeichnet drawn		06.06.		Koetzner			
Ⓓ		22.04.16						geprüft checked							
Ⓒ		03.07.15		Datei/File:		036141_F01K.DCD		Normgepr. Stand. check						Maße in mm/Dimensions are in mm	
Ⓑ		30.06.15				www.wieland-electric.com		Ersatz für/Replacement for:		Type		Benennung/Title			
Ⓐ		03.02.15										Maßbildzeichnung/Dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Federkraftklemme steckbar Standard housing and cover, overall width 22,5mm plug-in spring-clamp terminal			
Index		Datum/Blatt Date/Sheet													
Änderung/Revision															