

Data sheet

Commercial Art.No.: R1.188.3640.0

Stand still monitor SNS 4074K-A DC 24V 99 HZ

Zero-speed monitor (Frequency range 0.5 - 99 Hz) with bypass-function, automatic-/ manual reset with reset-button monitoring, 4 safe semiconductor outputs, DC 24 V, screw terminals pluggable

1011011010001010010101101
0100110110010110100101010
101001101100111001010010
10110100101010101001010
1101010011011001011010010
10101010010101101010011

DIGITALIZATION IN PROGRESS

Commercial Art.No.	R1.188.3640.0
EAN	4049088108495
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
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	0.16 kg
Standards	EN ISO 13849-1 EN 62061; EN 62061
Suited for safety functions	Yes
With muting function	Yes
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

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	96.5 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

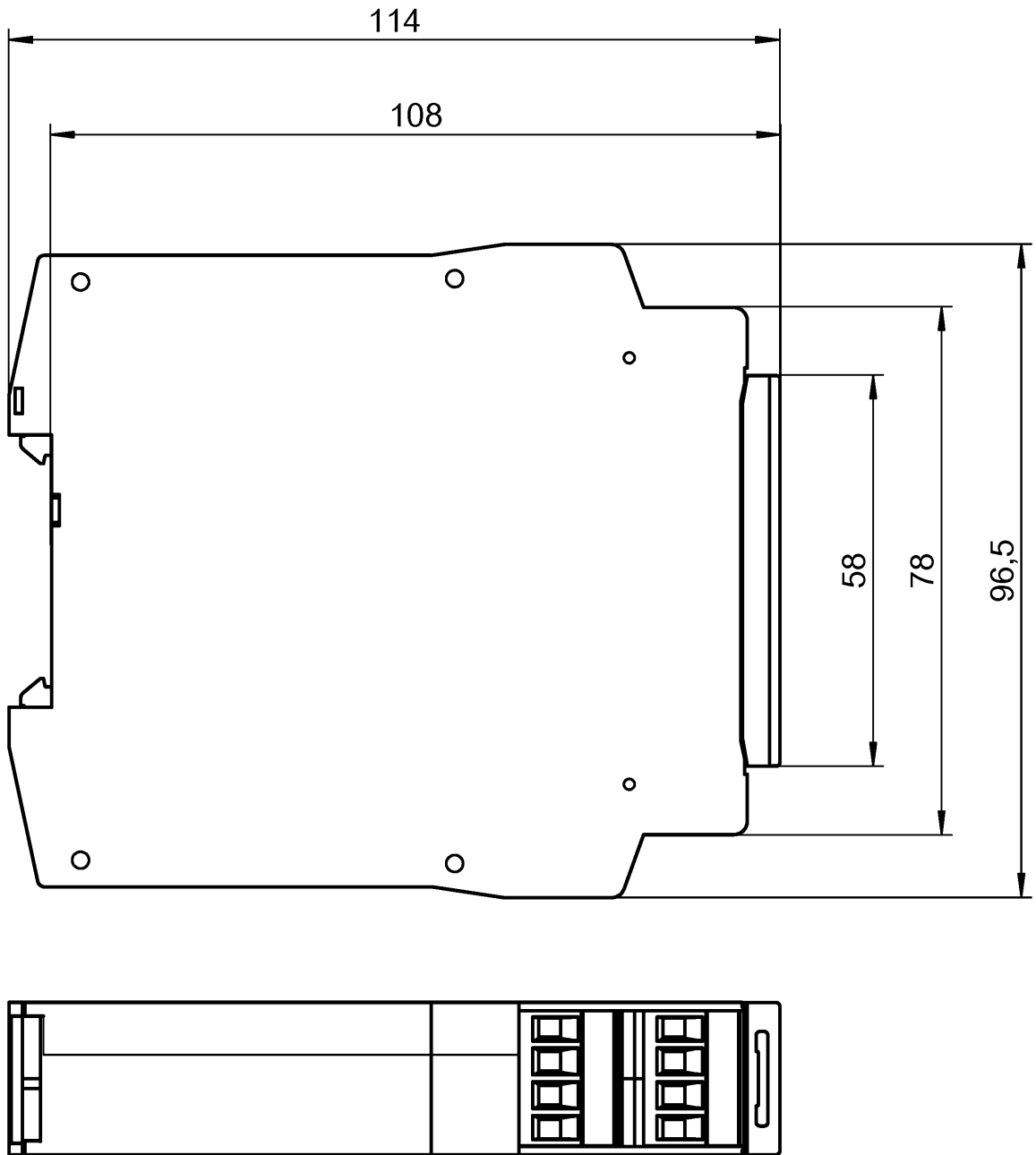
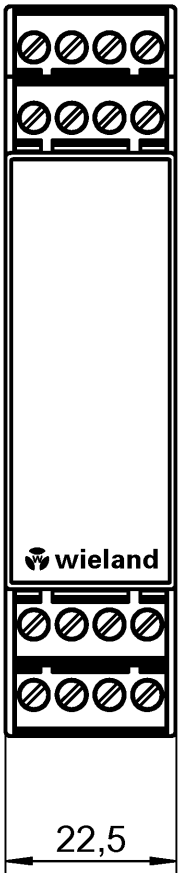
Safety parameters

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.
R1.188.0460.0
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
R1.188.1050.0
R1.188.1060.0
R1.188.1070.0
R1.188.1120.0
R1.188.1280.0
R1.188.1340.0
R1.188.1440.0
R1.188.1450.0
R1.188.1460.0
R1.188.1480.0
R1.188.1810.0
R1.188.1820.0
R1.188.1830.0

Teile Nr. / Part No.
R1.188.1840.0
R1.188.1850.0
R1.188.1860.0
R1.188.1870.0
R1.188.1880.0
R1.188.1890.0
R1.188.1900.0
R1.188.1910.0
R1.188.1920.0
R1.188.1930.0
R1.188.3250.0
R1.188.3290.0
R1.188.3360.0
R1.188.3480.0
R1.188.3580.0
R1.188.3590.0
R1.188.3620.0
R1.188.3640.0
R1.188.3660.0
R1.188.3710.0
R1.188.3810.0
R1.188.3830.0
R1.188.3840.0
R1.188.3910.0
R1.188.3930.0
R1.188.4020.0
R1.188.4100.0
R1.188.4110.0
R1.188.4120.0
81.030.0100.0
81.030.0101.0
81.030.0110.0
81.030.0111.0



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

www.wieland-electric.com
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	
						gezeichnet drawn		06.06.		Kötzner	
						geprüft checked					
③		22.04.16		Maßstab/Scale		Normgepr. Stand. check					
④		17.03.15									
⑤		03.02.15									
⑥		04.07.14		Datei/ File: 030181_E01K.DCD				Ersatz für/ Replacement for:			
⑦		25.06.14		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	
Index		Datum/ Blatt Date/ Sheet									
Änderung/ Revision											

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet.
The reproduction, distribution and utilization of this document as well as the communication of its contents to others without express authorization is prohibited.