

## 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



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 <sup>2</sup> - 2.5 mm <sup>2</sup> / 2 x 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup>
wire ranges screw terminals, fine-stranded with ferrules	1 x 0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / 2 x 0.25 mm <sup>2</sup> - 1.0 mm <sup>2</sup>
permissible torque min.	0.5 Nm
permissible torque max.	0.6 Nm
tightening moment	0.6 Nm
weight	0.16 kg
standards	EN ISO 13849-1EN 62061; EN 62061
suitable 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

**safety parameters**

category (ISO 13849-1)	4
PL (ISO 13849-1)	level e
SIL <sub>CL</sub> (IEC 62061)	3
PFD <sub>d</sub> (Low demand mode)	2.2 E-5
PFH <sub>d</sub> (High demand mode)	5 E-9 1/h
HFT	1
DC	96 %
MTTF <sub>d</sub>	300 a
T <sub>M</sub>	20 a
proof test intervall (High demand mode)	20 a

**application**

model	basic device
suitable for monitoring of magnetic switches	no
suitable for monitoring of proximity switches	yes

**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 <sub>th</sub> , enabling paths	2 A
max. total current I <sup>2</sup> of all current path	4 A <sup>2</sup>
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 <sub>W</sub>	> 100 ms
max. resistivity, per channel	100 m
evaluation inputs	2-channel

**supply circuit**

nominal voltage UN	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 11	
ECLASS 8.1	27371811
ETIM 9.0	EC001448
ETIM 8.0	EC001448
ETIM 7.0	EC001448
ETIM 6.0	EC001448
ETIM 5.0	EC001448

**product compliance**

ROHS conformity status	compliant/exempted
ROHS exceptions	III-6(c); III-7(c)I
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

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
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ja/yes <input type="checkbox"/> 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!		1. Verwendung: First Use:		Blatt: Sheet:	
Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		Zeichnung Nr./ Drawing No. <b>T R1.188.0460.0 01K</b>	
Werkstoff/ Material		2014 gezeichnet drawn	Tag/ Date 06.06.	Name Kötzner	
Ⓔ	22.04.16	Maßstab/Scale	Maße in mm/Dimensions are in mm		
Ⓓ	17.03.15	Datei/ File: 030181_E01K.DCD		Ersatz für/ Replacement for:	
Ⓒ	03.02.15	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			
Ⓑ	04.07.14	www.wieland-electric.com		Type	
Ⓐ	25.06.14	Index Datum/ Blatt Date/ Sheet			
Änderung/ Revision					

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