

Data sheet

Commercial Art.No.: R1.188.4020.0

stand still monitor SVM 4001K-A DC24V

Standstill monitoring unit for 1- and 3-phase motors, enabling current path 2 x 1 NO contact, DC 24 V 50-60Hz, screw-terminals pluggable



Commercial Art.No.	R1.188.4020.0
EAN	4049088220999
Order Unit	1

certificates / approvals



Technical data

general

function display	4 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.	-20 °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	0.18 kg
standards	EN ISO 13849-1EN 62061; EN 62061
suitable for safety functions	yes
with muting function	no
feedback circuit	no
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

safety parameters

category (ISO 13849-1)	4
PL (ISO 13849-1)	level e
SIL _{CL} (IEC 62061)	3
PFD _d (Low demand mode)	1.8 E-4
PFH _d (High demand mode)	4 E-8 1/h
HFT	1
DC	90 %
MTTF _d	77 a
T _M	20 a
proof test intervall (High demand mode)	20 a
proof test intervall (Low demand mode)	1 a

application

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

output circuit

enabling paths	normally open contact
contact material	Ag alloy
rated switching voltage, enabling paths AC	230 V
rated switching voltage, enabling paths DC	24 V
max. thermal current I _{th} , enabling paths	8 A
application category AC-15 (NO)	Ue 230V, Ie 3A
application category DC-13 (NO)	Ue 24V, Ie 4A
short-circuit protection (NO), max. fuse insert	5 A class gG fuse
mechanical life	20 x 10 ⁶
outputs, safe, undelayed, with contact	2

control circuit

response time tA1	20 ms
release time tR	20 ms
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

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)
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
R1.188.0990.0
R1.188.1000.0
R1.188.1010.0
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R1.188.1280.0
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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. T R1.188.0460.0 01K
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:
ⓐ	04.07.14	Datei/ File: 030181_E01K.DCD		Ersatz für/ Replacement for:
ⓑ	25.06.14	Datei/ File: 030181_E01K.DCD		Ersatz für/ Replacement for:
Index	Datum/ Blatt Date/ Sheet	www.wieland-electric.com		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
Änderung/ Revision				

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