

Datasheet

Art.No. R1.188.4020.0

Standstill monitor SVM 4001K-A DC24V

Standstill monitoring unit for 1- and 3-phase motors, enabling current path 2 x1
NO contact, DC 24 V 50-60Hz, screw-terminals pluggable



Art.No.	R1.188.4020.0
EAN	4049088220999
Order unit	1 pieces

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
Suited for safety functions	Yes
Category according to EN ISO 13849-1	4
With muting function	No
Feedback circuit	No
Start contact	No
Performance level acc. to EN ISO 13849-1	Level e
SIL according to IEC 62061	3
Stop category acc. to IEC 60204	1
Rail mounting possible	Yes

Connection Data

Detachable clamps	Yes
Type of electric connection	Screw connection

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 t _{A1}	20 ms
Release time t _R	20 ms
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

Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

Classification

ECLASS 8.1	27371811: Speed-/standstill monitoring relay
ETIM 6.0	: EC001448
ETIM 5.0	EC001448: Speed-/standstill monitoring relay