

Product data sheet

Item No. R1.188.3580.0

Device for monitoring of safety-related circuits SNO 4083KM-A 1,5s_DC 24V

Base unit also for elevators EN 81-20/50 and heaters EN50156-1 single- channel or two-channel control, manual reset with reset switch monitoring, cross circuit monitoring, synchronous time 1.5s, 3 enabling current paths, 1 signalling output, DC 24 V, screw-terminals pluggable



Item No.	R1.188.3580.0
EAN	4049088070884
Order Unit	1 Piece(s)

Certificates / Approvals



Technical data

General

Function display	3 LED, green
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.	65 °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	0.2 kg
Standards	EN ISO 13849-1EN 62061, EN 81-1EN 50156-1EN 62061EN 81-1EN 50156-1
Suited for safety functions	Yes
Category according to EN ISO 13849-1	4
With muting function	No
Feedback circuit	Yes

Start contact	Yes
Performance level acc. to EN ISO 13849-1	e
SIL according to IEC 62061	3
Stop category acc. to IEC 60204	0
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	Yes
Suitable for monitoring of proximity switches	Yes
Suitable for monitoring of emergency-stop circuits	Yes
Suitable for monitoring of optoelectronic protection equipment	Yes
Suitable for monitoring of position switches	Yes

Output circuit

Enabling paths	Normally open contact
Signaling paths	Opener
Contact material	Ag-alloy, gold-plated
Rated switching voltage, enabling paths AC	230 V
Rated switching voltage, enabling paths DC	24 V
Rated switching voltage, signaling paths AC	230 V
Rated switching voltage, signaling paths DC	24 V
Max. thermal current I	6 A
Max. thermal current I	2 A
Max. total current I ² of all current path	25 A ²
Application category AC-15 (NO)	Ue 230V, Ie 5A
Application category DC-13 (NO)	Ue 24V, Ie 5A
Short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral < 100 A ² s
Mechanical life	10 ⁷ switching cycles
Outputs, signalling function, undelayed, with contact	1
Outputs, safe, undelayed, with contact	3

Control circuit

Nominal output voltage DC	22.5 V
Input current (safety circuit / reset circuit)	25 mA
max. peak current (safety circuit / reset circuit)	100 mA
Response time tA1	250 ms
Response time tA2	250 ms
Min. switch-on time	60 ms
Recovery time tW	leer 120 ms
Release time tR	leer 20 ms
Synchronous time tS	leer 1.5 s
Permissible test pulse time tTP	< 0.8 ms
max. resistivity, per channel	# (5 + (1,176 x UB / UN - 1) x 100) #
Type of switch function of the inputs	Normally open contact
Evaluation inputs	2-channel

Supply circuit

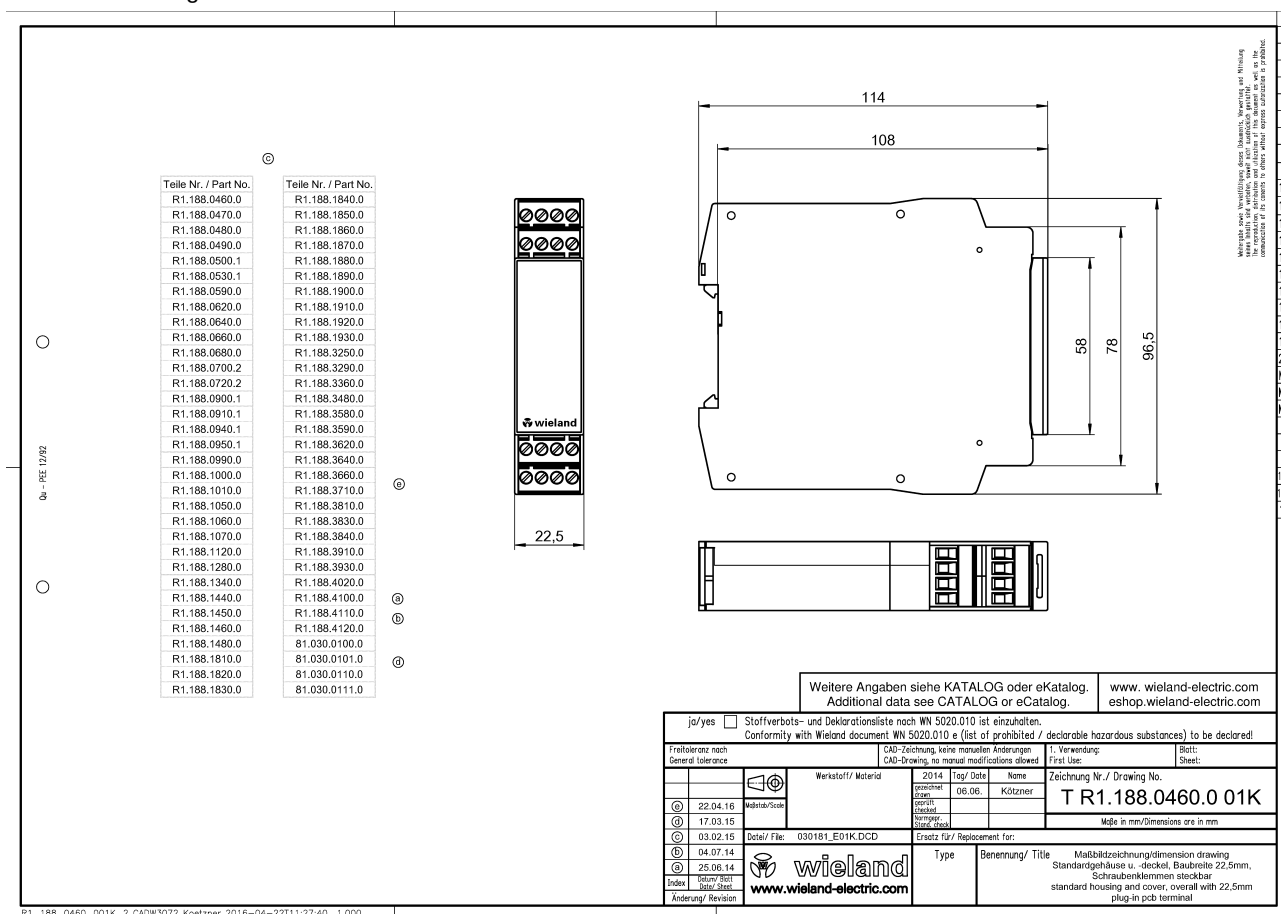
Nominal voltage U	DC 24 V
Rated consumption DC	1.6 W
Operating voltage min.	20.4 V

Operating voltage max.	28.8 V
Electrical isolation supply circuit - control circuit	No

Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

Technical drawing



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