Datasheet

Art.No. R1.188.0700.2

Device for monitoring of safety-related circuits SNO4062K-A AC/DC 24V (C)

Base unit, single-channel or two-channel control, automatic-/ manual reset with reset switch monitoring, cross circuit monitoring, 2 enabling current paths, 1 signalling output, AC/DC 24 V 50-60Hz, screw-terminals pluggable

Art.No.	R1.188.0700.2
EAN	4015573809024
Order unit	1 pieces

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.	55 °C
Wire ranges screw terminals, fine-stranded / solid	1 x 0,14 mm² - 2,5 mm² / 2 x 0,14 mm² - 0,75 mm²
Wire ranges screw terminals,fine-stranded with ferrules	1 x 0,25 mm² - 2,5 mm² / 2 x 0,25 mm² - 0,5 mm²
Permissible torque min.	0.5 Nm
Permissible torque max.	0.6 Nm
Tightening moment	0.6 Nm
Wire range cage clamp terminals	2 x 0,25mm² - 1,5mm²
Weight	0.21 kg
Standards	EN ISO 13849-1;EN 62061
Suited for safety functions	Yes
Category according to EN ISO 13849-1	4
Muting possible	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	
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
Suitable for monitoring of valves	No

Output circuit

Enabling paths	Normally open contact
Signaling paths	Opener
Contact material	Ag-alloy, gold-plated
Max. thermal current I_{th}, enabling paths	6 A
Max. thermal current I_{th}, signaling paths	3 A
Max. total current I^2 of all current path	9 A²
Application category AC-15 (NO)	Ue 230V, Ie 3A
Application category DC-13 (NO)	Ue 24V, Ie 2,5A
Short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral
Mechanical life	10^7 switching cycles
Outputs, signalling function, undelayed, with contact	1
Outputs, signalling function, delayed, with contact	0
Outputs, safe, undelayed, with contact	2
Outputs, safe, delayed, with contact	0

Control circuit

Input current (safety circuit / reset circuit)	40 mA
max. peak current (safety circuit / reset circuit)	100 mA
Response time tA1	40 ms
Response time tA2	500 ms
Min. switch-on time	50 ms
Recovery time tW	150 ms
Release time tR	15 ms
Synchronous time tS	200 ms
Permissable test pulse time tTP	1 ms
max. resistivity, per channel	≤ (5 + (1,176 x UB / UN - 1) x 100) Ω
Evaluation inputs	2-channel

Supply circuit

Nominal voltage UN	AC/DC 24 V
Rated consumption DC	2 W
Rated frequency min.	50 Hz
Rated frequency max.	60 Hz
Electrical isolation supply circuit - control circuit	No
Min. rated control supply voltage at AC 50 Hz	20.4 V
Max. rated AC voltage for controls, 50 Hz	26.4 V
Min. rated DC voltage for controls	20.4 V
Max. rated DC voltage for controls	26.4 V
Min. rated control supply voltage at DC	20.4 V
Rated control supply voltage at AC 60HZ	20.4 V
Rated control supply voltage at AC 50HZ	26.4 V

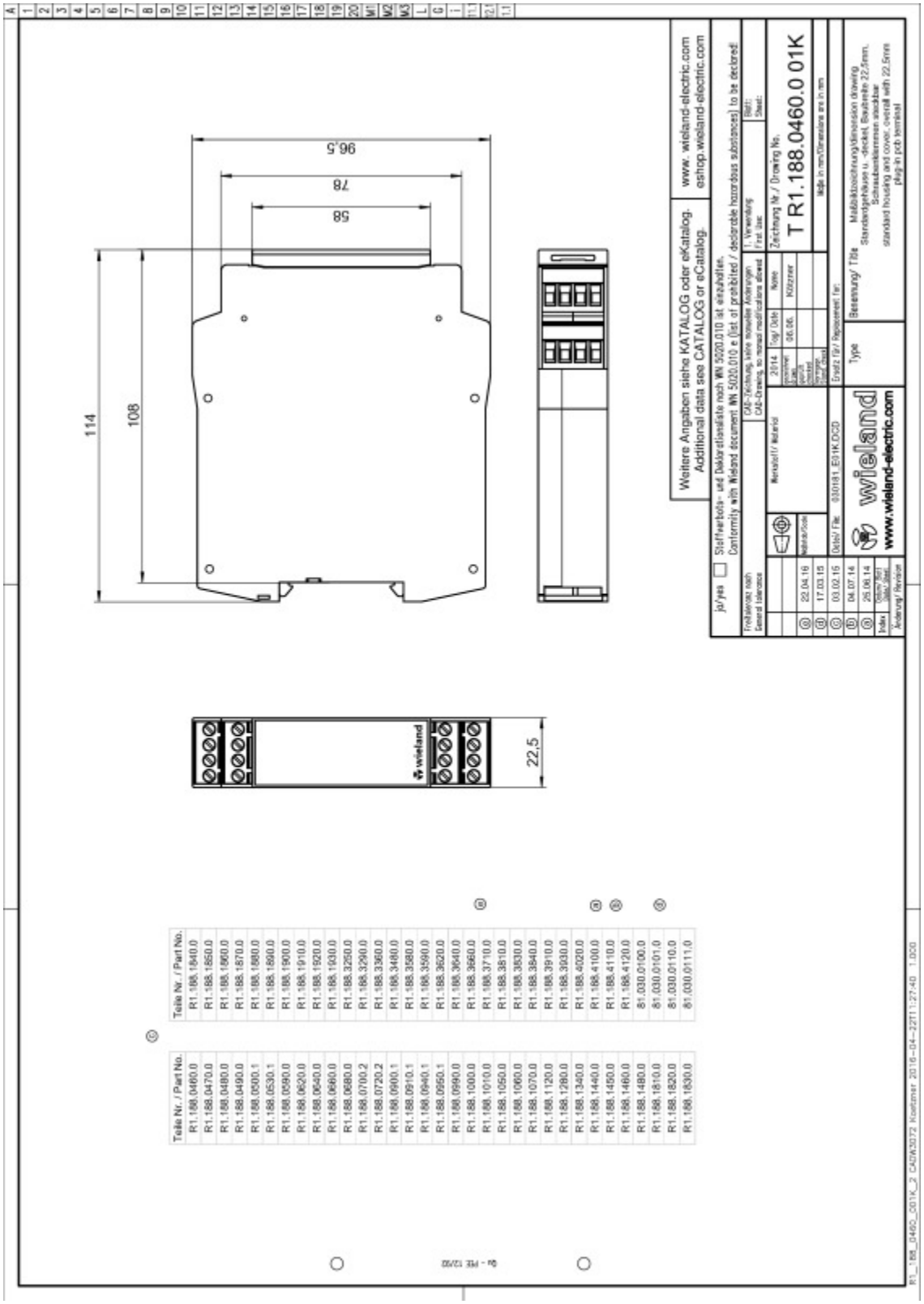
Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

Classification

ECLASS 8.1	27371819: Device for monitoring of safety-related circuits
ETIM 5.0	EC001449: Device for monitoring of safety-related circuits
ETIM 4.0	EC001449: Device for monitoring of safety-related circuits
ETIM 3.0	EC001449: Emergency-stop relay

Drawings


96,5
78
58
114
108
22,5
wieland
Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.
www.wieland-electric.com
eshop.wieland-electric.com
T R1.188.0460.0 01K
Maßangaben in mm/Dimensions are in mm
Maßskizze/dimension drawing
Standardgehäuse u. -deckel, Baubreite 22,5mm.
Schraubanschlussklemmen steckbar
standard housing and cover, overall with 22,5mm
plug-in pcb terminal
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
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