Datasheet

Art.No. R1.188.0610.0

Device for monitoring of safety-related circuits SNV4063KL 3S DC 24V (A)

Base unit, single-channel or two-channel control, automatic-/ manual reset with reset switch monitoring, 2 immediatey switching current paths, 1 enabling current path off-delayed , 0,15s - 3s, DC 24 V, screw terminals fixed

Art.No.	R1.188.0610.0
EAN	4015573808683
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	0.2 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	No
Type of electric connection	Screw connection

Application

Model	Basic device
Suitable for monitoring of magnetic switches	No
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
Enabling paths, time delayed	Normally open contact, off delay
Contact material	Ag-alloy, gold-plated
Rated switching voltage, enabling paths AC	230 V
Max. thermal current I_{th}, enabling paths	6 A
Max. total current I_2 of all current path	5 A²
Application category AC-15 (NO)	Ue 230V, Ie 3A
Application category DC-13 (NO)	Ue 24V, Ie 2A
Short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral
Mechanical life	107 switching cycles
Outputs, signalling function, undelayed, with contact	0
Outputs, signalling function, delayed, with contact	0
Outputs, safe, undelayed, with contact	2
Outputs, safe, delayed, with contact	1

Control circuit

Nominal output voltage DC	22 V
Input current (safety circuit / reset circuit)	25 mA
max. peak current (safety circuit / reset circuit)	2500 mA
Response time tA1	30 ms
Response time tA2	700 ms
Min. switch-on time	200 ms
Recovery time tW	500 ms
Release time tR	25 ms
Release time tR, delayed contacts (tolerance)	0,15 - 3 s / 1,5 -30 s (+- 16 %)
Synchronous time tS	500 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 U_N	DC 24 V
Rated consumption DC	2.6 W
Electrical isolation supply circuit - control circuit	No
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

Dimensions

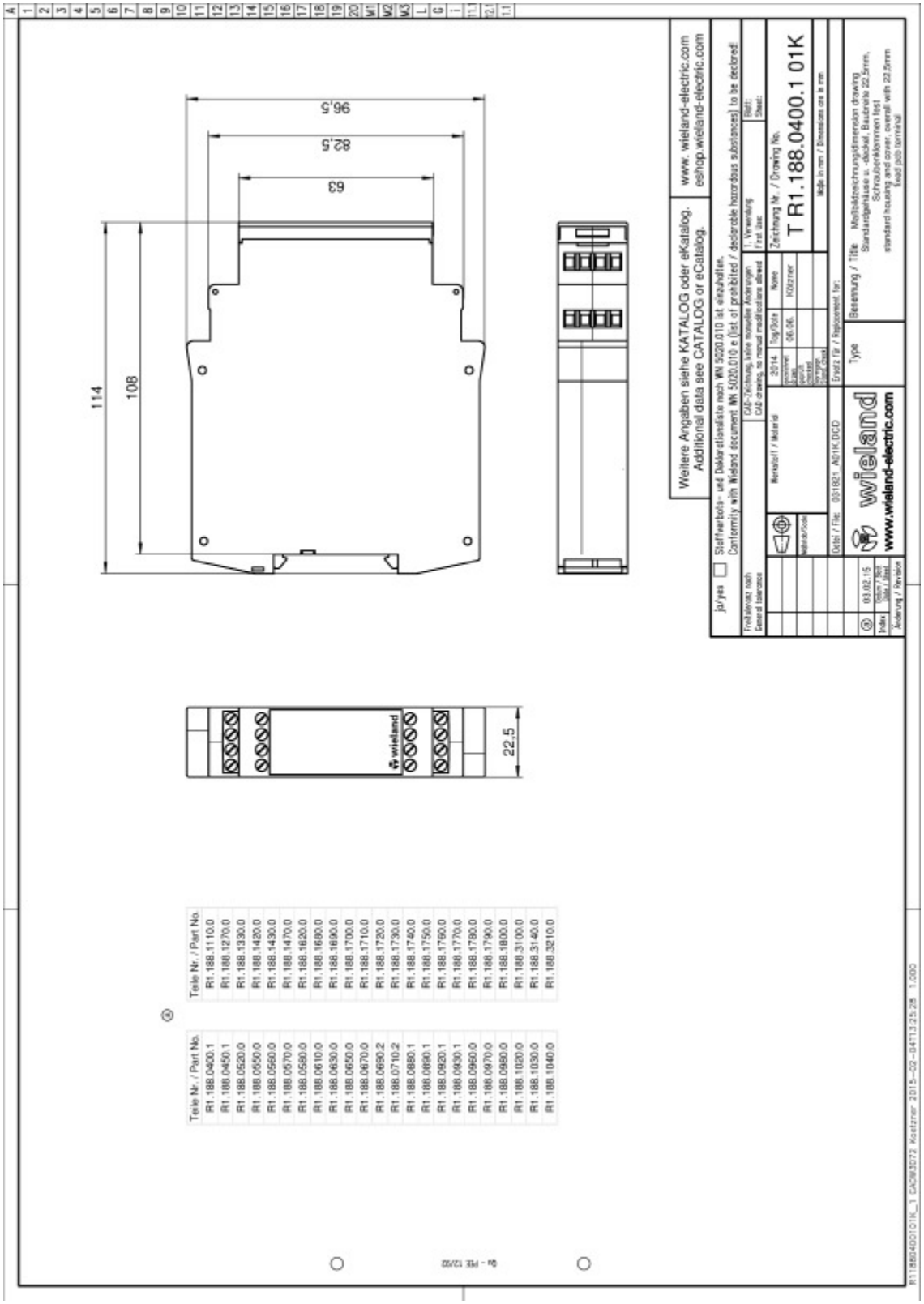
Depth	114 mm

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
82,5
63
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
ja/yes
Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 is (list of prohibited / declarable hazardous substances) to be declared
Freiraumvorz nach
General tolerance
CAD-Zeichnung, keine manuelle Änderungen
CAD drawing, no manual modifications allowed
1. Verwendung
First use
Blatt:
Sheet:
Werkstoff / Material
2014
Tag/Date
Name
06.06.
Kölzner
Zeichnung Nr. / Drawing No.
T R1.188.0400.1 01K
Maße in mm / Dimensions are in mm
Datei / File: 051821_AOHK.DCD
Ersatz für / Replacement for:
wieland
www.wieland-electric.com
Type
Benennung / Title
Mehrfachstreichungsdimension drawing
Standardgehäuse u. -deckel, Baubreite 22,5mm,
Schraubenklemmen fest
standard housing and cover, overall with 22,5mm
fixed pole terminal
03.02.15
Index
Datum / Date
Änderung / Revision
Teile Nr. / Part No.
R1.188.0400.1
R1.188.0450.1
R1.188.0520.0
R1.188.0550.0
R1.188.0560.0
R1.188.0570.0
R1.188.0580.0
R1.188.0610.0
R1.188.0630.0
R1.188.0650.0
R1.188.0670.0
R1.188.0690.2
R1.188.0710.2
R1.188.0880.1
R1.188.0890.1
R1.188.0920.1
R1.188.0930.1
R1.188.0960.0
R1.188.0970.0
R1.188.0980.0
R1.188.1020.0
R1.188.1030.0
R1.188.1040.0
Teile Nr. / Part No.
R1.188.1110.0
R1.188.1270.0
R1.188.1330.0
R1.188.1420.0
R1.188.1430.0
R1.188.1470.0
R1.188.1620.0
R1.188.1680.0
R1.188.1690.0
R1.188.1700.0
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R1.188.1740.0
R1.188.1750.0
R1.188.1760.0
R1.188.1770.0
R1.188.1780.0
R1.188.1790.0
R1.188.1800.0
R1.188.3100.0
R1.188.3140.0
R1.188.3210.0
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R1.188.0400.01K_1 CADM3072 Kostner 2015-02-04 13:25:28 1:200