

## Product data sheet

Item No. R1.188.3830.0

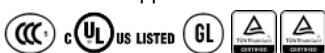
### Device for monitoring of safety-related circuits SNO 4083KM-A 0,5s\_ DC 24V

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 0.5s, 3 enabling current paths, 1 signalling output, DC 24 V, screw-terminals pluggable



Item No.	R1.188.3830.0
EAN	4049088143601
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 <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,2 mm <sup>2</sup> - 1,0 mm <sup>2</sup>
Wire ranges screw terminals, fine-stranded with ferrules	1 x 0,25 mm <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,25 mm <sup>2</sup> - 1,0 mm <sup>2</sup>
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
With muting function	No
Feedback circuit	Yes

Start contact	Yes
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 <sup>2</sup> of all current path	25 A <sup>2</sup>
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 <sup>2</sup> s
Mechanical life	10 <sup>7</sup> 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 0.5 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**

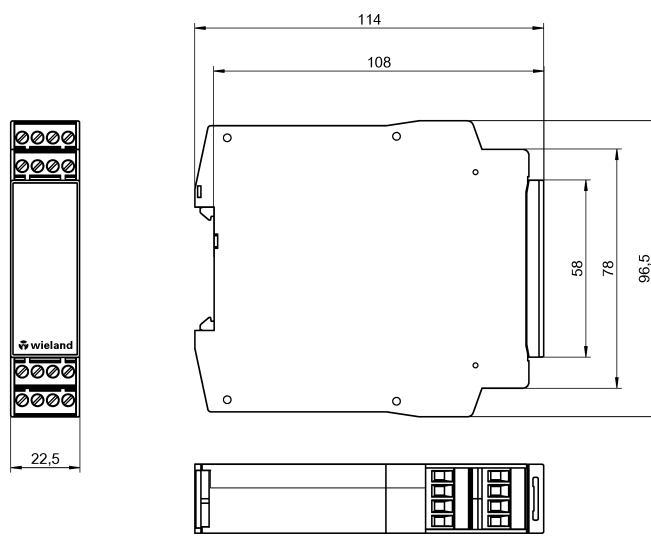
Nominal voltage U	DC 24 V
Rated consumption DC	1.6 W
Operating voltage min.	20.4 V
Operating voltage max.	28.8 V
Electrical isolation supply circuit - control circuit	No

**Dimensions**

Depth	114 mm
-------	--------

Width	22.5 mm
Height	96.5 mm

**Technical drawing**

04 - FEE 12/20 	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 R1.188.1510.0 R1.188.1820.0 R1.188.1830.0	Teile Nr. / Part No. 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 R1.188.3500.0 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	Weitere Angaben siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog.	<a href="http://www.wieland-electric.com">www.wieland-electric.com</a> <a href="http://eshop.wieland-electric.com">eshop.wieland-electric.com</a>	
	ja/yes <input type="checkbox"/> Stoffverbleis- 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!	CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed			1. Verwendung: First Use:
Freitoleranz nach General tolerance	Werkstoff/ Material Material/Spec	2014 Prozess: 06.06. Kötznert Datum: 17.03.15 Geprüft: 03.02.15	Zeichnung Nr. / Drawing No. <b>T R1.188.0460.0 01K</b>		
Maße in mm/Dimensions are in mm		Ersetzt für/ Replacement for:			
Date/ File: 030181_E01K.DCD		Type			
Änderung/ Revision		Benennung/ Title Maßbilddarstellung/dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Schraubenklemmen steckbar standard housing and cover, overall with 22.5mm plug-in pcb terminal			

R1\_188\_0460\_001K\_2 CADW3072 Koetznert 2016-04-22T11:27:40 1.000