

Datasheet

Art.No. R1.188.3700.0

Device for monitoring of safety-related circuits

Base unit EN 574 type IIIA, two-channel control, 2x N.C./N.O. startup inhibit circuit, synchronous time monitoring, enabling current path 1 change over contact, AC/DC 24 V 50-60Hz, screw-terminals plugable



Art.No.	R1.188.3700.0
EAN	4049088124051
Order unit	1 pieces

Approvals



Technical data

General

Function display	2 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 mm ² - 2,5 mm ² / 2 x 0,14 mm ² - 0,75 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 - 0,5 mm ²
Permissible torque min.	0.5 Nm
Permissible torque max.	0.6 Nm
Tightening moment	0.6 Nm
Wire range cage clamp terminals	2 x 0,25mm ² - 1,5mm ²
Weight	0.1 kg
Standards	EN ISO 13849-1;EN 62061;EN 574

Output circuit

Enabling paths	change-over contact
Contact material	Ag-alloy
Rated switching voltage, enabling paths AC	230 V
Max. thermal current I _{th} , enabling paths	6 A
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

Control circuit

Nominal output voltage DC	24 V
Input current (safety circuit / reset circuit)	2.5 mA
max. peak current (safety circuit / reset circuit)	3 mA
Response time tA1	20 ms
Response time tA2	20 ms
Recovery time tW	250 ms
Release time tR	20 ms
Synchronous time tS	500 ms
max. resistivity, per channel	$\leq (5 + (1,176 \times U_B / U_N - 1) \times 100) \Omega$

Supply circuit

Nominal voltage U _N	AC/DC 24 V
Rated consumption AC	2 VA
Rated consumption DC	0.7 W
Rated frequency min.	50 Hz
Rated frequency max.	60 Hz
Electrical isolation supply circuit - control circuit	yes (at U _N = AC 115-230 V)

Dimensions

Depth	85.2 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

Drawings

A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	M1	M2	M3	L	0	1	11	21	11
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Teil-Nr. / Part No.
R1.188.0460.0
R1.188.1860.0
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
R1.188.0690.0
R1.188.0690.0
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

Teil-Nr. / Part No.
R1.188.1850.0
R1.188.1860.0
R1.188.1870.0
R1.188.1880.0
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
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R1.188.3910.0
R1.188.3920.0
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. www.wieland-electric.com
 Additional data see CATALOG or eCatalog. eshop.wieland-electric.com

Staffwechsel und Paketeinsatzliste nach WM 5220.010 ist einsehbar.
 Conformity with Wieland document WM 5220.010 e (list of prohibited / decribable hazardous substances) to be decried

Produktion nach Einzelanforderung	Produktion nach Kundenauftrag	Produktion nach Zeichnung	Produktion nach Zeichnung
17.03.15	03.02.15	03.02.15	03.02.15
14.07.14	25.08.14	25.08.14	25.08.14
100%	100%	100%	100%
100%	100%	100%	100%

Material / Material: Wieland
 Zeichnung Nr. / Drawing No.: T R1.188.0460.0 01K
 Made in Germany
 Bemessung / Title: Multiblockschraubterminalblock Standardbohrung 22,5mm, standard housing and cover, oval with 22.5mm plug-in pcb terminal.

R1.188.0460.01K_1 CADW3072 Revider 2015-03-17 10:23:33 1.000