

Data sheet

Commercial Art.No.: 81.030.0110.0

Monitoring relay FLARE CONTROL I-1-A

current measuring relays for monitoring the lower and upper limit values of single-phase current in the frequency range 45 - 400Hz, measurable waveform DC and sinus, measuring range AC/DC 0,01 - 10A, rated voltage AC/DC 24-230V AC 50 - 60Hz, open-circuit or closed-circuit principle, hysteresis 50...95% adjustable from upper threshold value, switching delay is exceeded adjustable 0-10s; W x H x D: 22,5 × 96,5 × 114 mm



Commercial Art.No.	81.030.0110.0
EAN	4049088159800
Order Unit	1

Certificates / Approvals



Technical data

General

Connection type	screw connection
Number of change-over contacts	2
Detachable clamps	yes
Phase sequence monitoring	No
Phase failure monitoring	No
Function under voltage detection	No
Function over voltage detection	No
Phase imbalance monitoring	No
Number of measuring circuits	3
Min. response delay	0 s
Max. response delay	10 s

Technical data

Measuring range	0,1 / 1 / 10 A
Upper threshold	10... 100 % of measuring range
Lower threshold	50...95 % of upper threshold
Signal shape	DC and sinus
Rated frequency min.	45 Hz
Rated frequency max.	400 Hz
Rated consumption AC	4 VA
Rated consumption DC	2 W
Input voltage AC min.	20.4 V
Input voltage AC max.	264 V

Input voltage DC min.	20.4 V
Input voltage DC max.	264 V
Electrical isolation supply circuit - control circuit	yes
Function	Closed circuit or operating circuit principle
Time delay at exceeding the threshold	0 / 0,1 / 0,5 / 2 / 10 s
Switching current	≤ 5 A
Mechanical life time	20 x 10 ⁶
Electrical life time AC1	0,1 x 10 ⁶
Isolation voltage	2 kV
Wire range solid/fine-stranded	0,14 - 1,5 mm ² / 0,14 - 2,5 mm ²
Degree of protection (IP)	IP20
Mounting method	DIN rail (top hat rail) 35 mm
Operating temperature min.	-20 °C
Operating temperature max.	55 °C
Max. rated frequency	

Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

Classification

ECLASS 11	
ECLASS 8.1	27371802
ETIM 7.0	EC001440
ETIM 6.0	EC001440
ETIM 5.0	EC001440
ETIM 4.0	EC001440

Product compliance

ROHS conformity status	Compliant/Exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead; Lead titanium zirconium oxide
REACH-SVHC CAS numbers	12626-81-2; 7439-92-1

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

©

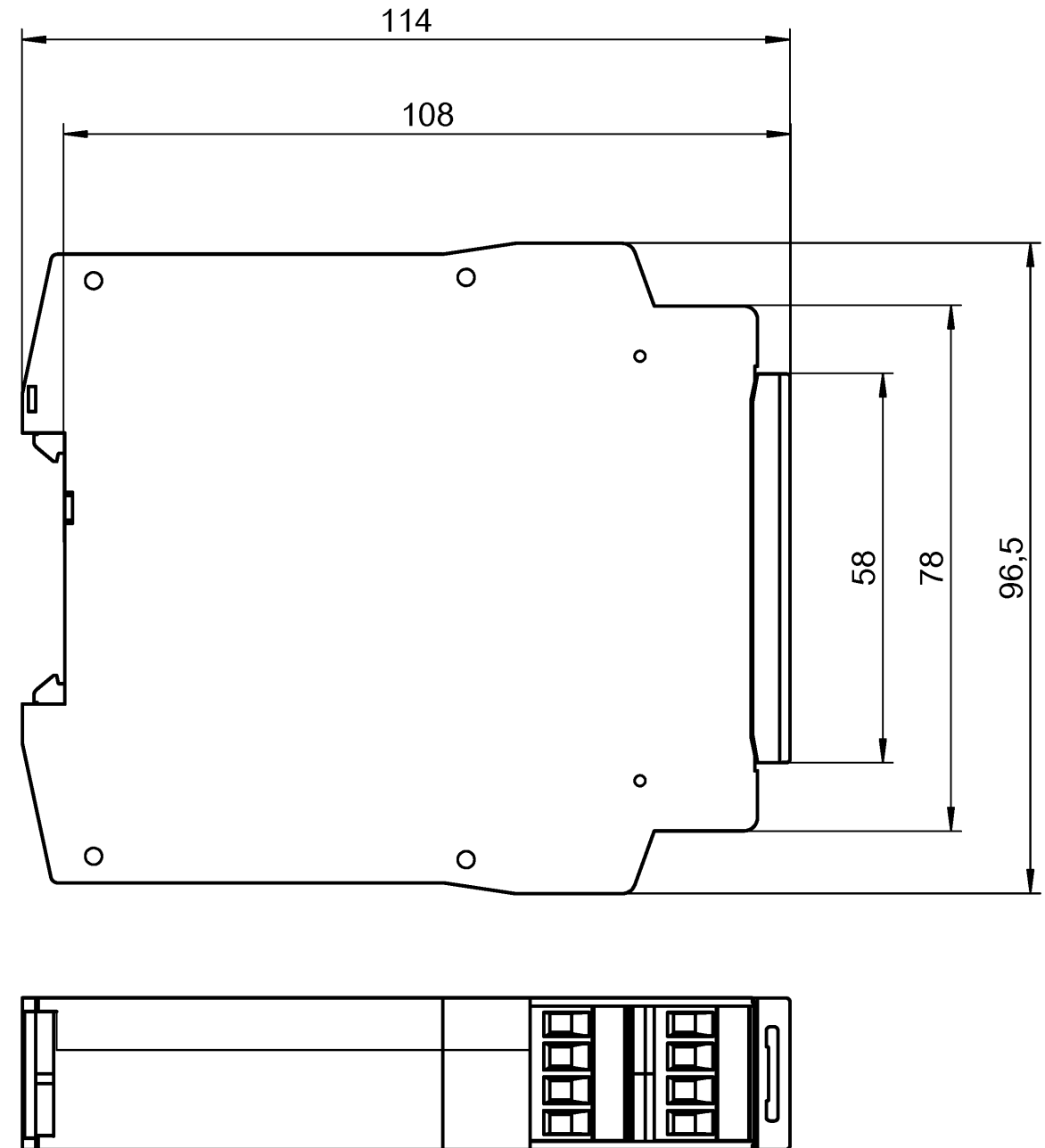
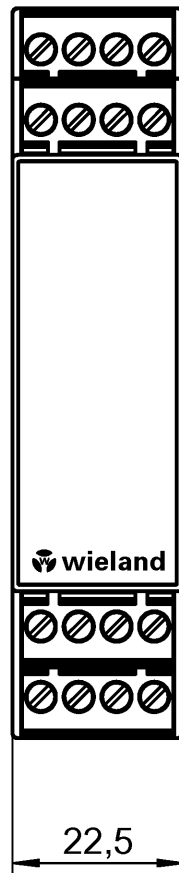
Teile Nr. / Part No.
R1.188.1840.0
R1.188.1850.0
R1.188.1860.0
R1.188.1870.0
R1.188.1880.0
R1.188.1890.0
R1.188.1900.0
R1.188.1910.0
R1.188.1920.0
R1.188.1930.0
R1.188.3250.0
R1.188.3290.0
R1.188.3360.0
R1.188.3480.0
R1.188.3580.0
R1.188.3590.0
R1.188.3620.0
R1.188.3640.0
R1.188.3660.0
R1.188.3710.0
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

ⓔ

ⓐ

ⓑ

ⓓ



Weitere Angaben siehe KATALOG oder eKatalog. www.wieland-electric.com
 Additional data see CATALOG or eCatalog. eshop.wieland-electric.com

ja/yes <input type="checkbox"/> Stoffverbots- 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!		1. Verwendung: First Use:		Blatt: Sheet:	
Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		Zeichnung Nr./ Drawing No. T R1.188.0460.0 01K	
Werkstoff/ Material		2014 gezeichnet drawn	Tag/ Date 06.06.	Name Kötzner	
ⓔ	22.04.16	Maßstab/Scale	Maße in mm/Dimensions are in mm		
ⓓ	17.03.15	Datei/ File: 030181_E01K.DCD			
ⓐ	03.02.15	Ersatz für/ Replacement for:			
ⓑ	04.07.14	Wieland www.wieland-electric.com		Type	Benennung/ Title Maßbildzeichnung/dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Schraubenklemmen steckbar standard housing and cover, overall with 22,5mm plug-in pcb terminal
ⓓ	25.06.14	Datum/ Blatt Date/ Sheet			
Änderung/ Revision					

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung
 seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet.
 The reproduction, distribution and utilization of this document as well as the
 communication of its contents to others without express authorization is prohibited.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
M1
M2
M3
L
G
i
11.1
12.1
1.1