

## Data sheet

Commercial Art.No.: 81.030.0101.0

Monitoring relay FLARE CONTROL UL-1-A

flare CONTROL UL-1A, voltage measuring relay for monitoring the lower and upper limit values of single phase voltage in the frequency range 45 - 400Hz, measurable waveform DC and sinus, measuring range AC/DC 0,5 - 300V, 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



Commercial Art.No.	81.030.0101.0
EAN	4049088290992
Order Unit	1

## 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	yes
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	5 / 50 / 300 V
Upper threshold	10...100 % of measuring range
Lower threshold	10...100 % of measuring range
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 <sup>6</sup>
Electrical life time AC1	0,1 x 10 <sup>6</sup>
Isolation voltage	2 kV
Wire range solid/fine-stranded	0,14 - 1,5 mm <sup>2</sup> / 0,14 - 2,5 mm <sup>2</sup>
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	27371801
ETIM 7.0	EC001438
ETIM 6.0	EC001438
ETIM 5.0	EC001438
ETIM 4.0	EC001438

#### 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
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R1.188.1820.0
R1.188.1830.0

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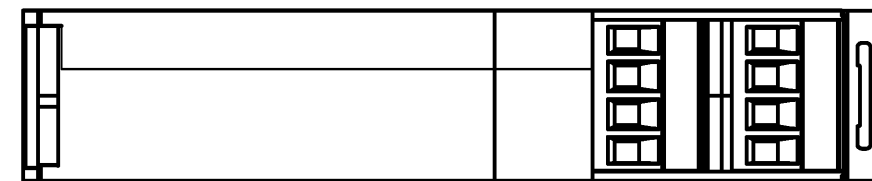
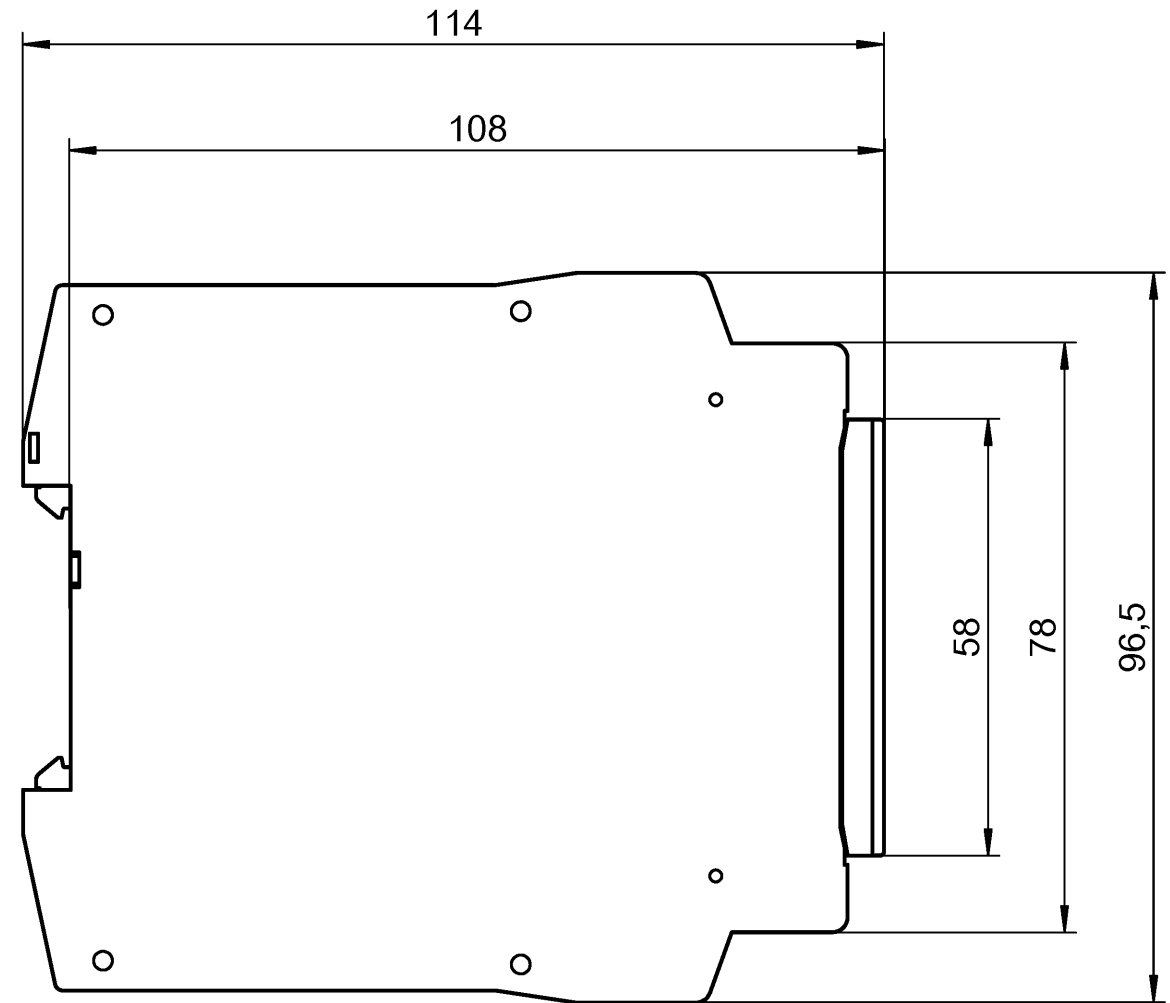
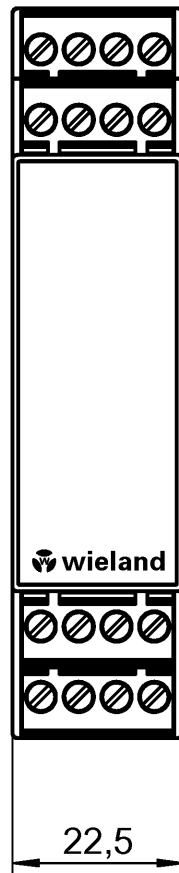
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ja/yes <input type="checkbox"/> Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!		1. Verwendung: First Use:		Blatt: Sheet:	
Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		Zeichnung Nr./ Drawing No. <b>T R1.188.0460.0 01K</b>	
		Werkstoff/ Material		2014 Tag/ Date	Name
Ⓔ	22.04.16	Maßstab/Scale		06.06.	Kötzner
Ⓓ	17.03.15				
Ⓒ	03.02.15	Datei/ File:	030181_E01K.DCD	Ersatz für/ Replacement for:	
Ⓑ	04.07.14	 www.wieland-electric.com		Type	Benennung/ Title
Ⓐ	25.06.14			Maßbildzeichnung/dimension drawing Standardgehäuse u. -deckel, Baubreite 22,5mm, Schraubenklemmen steckbar standard housing and cover, overall with 22,5mm plug-in pcb terminal	
Index	Datum/ Blatt Date/ Sheet				
Änderung/ Revision					

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