

Current monitoring - MCR-SL-S- 16-SP- 24 - 2864464

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MCR contactor, for sinusoidal alternating currents 0 ... 16 A AC/ 1 PDT

Why buy this product

- Adjustable switching hysteresis
- Relay PDT output
- 3-way isolation
- Adjustable operating/closed circuit current behavior
- Switching point can be freely selected in the measuring range of 0 16 A AC



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 904456

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 65 °C
Degree of protection	IP20

Input data

Input	Current measuring input
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Input data

Input current range	0 A AC ... 16 A
Impulse form	Sine
Overload capacity	2 x I _N (continuous)
Nominal frequency f _N	50 Hz
	60 Hz
Frequency measuring range	45 Hz ... 65 Hz
Connection method	Through connection, diameter 4.2 mm

Switching output

Output name	Relay output
Contact type	1 PDT
Contact material	AgSnO, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
	250 V AC (when the gold layer is destroyed)
Limiting continuous current	50 mA (for gold layer, 30 V AC/ 36 V DC)
	2 A (in case of a destroyed gold layer, 250 V AC)
Setting range of the response delay	typ. 0.1 s ... 10 s (Adjustable using a potentiometer)

Power supply

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	< 30 mA

Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Stripping length	8 mm
Screw thread	M3

General

Maximum temperature coefficient	< 0.02 %/K
Step response (10-90%)	40 ms
Overvoltage category	III
Degree of pollution	2
Rated insulation voltage	300 V AC (to earth)
Test voltage input/output	4 kV (50 Hz, 1 min.)
Test voltage input/power supply	4 kV (50 Hz, 1 min.)
Color	green

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General

Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant

Standards and Regulations

Connection in acc. with standard	CUL
Conformance	CE-compliant

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27210902
eCl@ss 5.0	27210902
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902
eCl@ss 7.0	27210902
eCl@ss 8.0	27371802

ETIM

ETIM 2.0	EC001440
ETIM 3.0	EC001440
ETIM 4.0	EC001440
ETIM 5.0	EC001440

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121535
UNSPSC 13.2	39121535

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized 

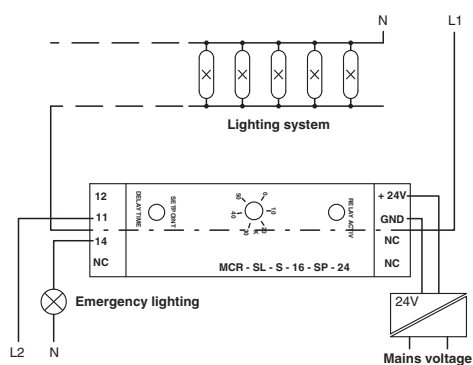
cUL Recognized 

EAC

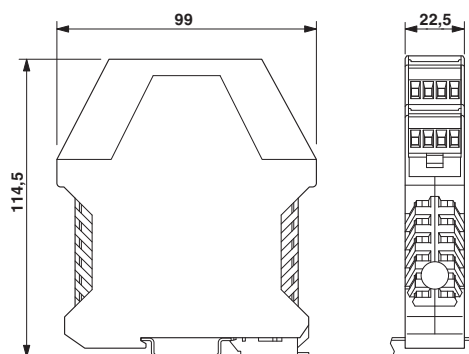
cULus Recognized 

Drawings

Application drawing

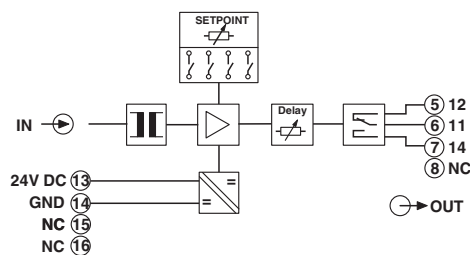


Dimensional drawing



Lighting system with emergency lighting

Circuit diagram



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