

MR-ES-3V-400 - Monitoring relay



1217805

<https://www.phoenixcontact.com/in/products/1217805>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Monitoring relay for monitoring 3-phase voltages of 400 V AC (3N-400/230 V AC) $\pm 30\%$, undervoltage, window, phase sequence, phase failure, 1 changeover contact, with screw connection

Commercial Data

Item number	1217805
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CK4
Product Key	CK4312
GTIN	4063151300555
Weight per Piece (including packing)	79.1 g
Weight per Piece (excluding packing)	79.1 g
Customs tariff number	85364900
Country of origin	AT

MR-ES-3V-400 - Monitoring relay



1217805

<https://www.phoenixcontact.com/in/products/1217805>

Technical Data

Product properties

Product type	Voltage monitoring relay
Mechanical service life	2 x 10 ⁷ cycles

Insulation characteristics

Overvoltage category	III (in acc. with IEC 60664-1)
Pollution degree	2

Electrical properties

Rated insulation voltage	480 V
Rated surge voltage	4 kV

Supply

Supply voltage	±30 % (= measuring voltage)
Nominal power consumption	8 VA (0.8 W)

Input data

Measured value	AC sine (48 Hz ... 63 Hz)
Nominal input voltage U _N	400 V (3N ~ 400/230 V)
Frequency range	48 Hz ... 63 Hz
Maximum temperature coefficient	≤ 0.5 %/°C
Setting range for response delay	0.1 s ... 10 s
Min. setting range	70 % ... 120 % (From U _N)
Max. setting range	80 % ... 130 % (From U _N)
Min setting range of the voltage threshold value	280 V AC ... 480 V AC
Max. setting range of the voltage threshold value	320 V AC ... 520 V AC
Function	Undervoltage, phase sequence, phase failure Window
Setting accuracy	± 5 % (of scale end value)
Repeat accuracy	≤ 2 %
Recovery time	500 ms

Output data

Switching

Contact type	1 floating changeover contact
Maximum switching voltage	250 V AC
Interrupting rating (ohmic load) max.	1250 VA (5 A / 250 V AC)
Output fuse	5 A (fast-blow)

Connection data

Connection method	Screw connection
Conductor cross section rigid	0.5 mm ² ... 2.5 mm ²

MR-ES-3V-400 - Monitoring relay



1217805

<https://www.phoenixcontact.com/in/products/1217805>

Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section AWG	20 ... 14

Dimensions

Width	17.5 mm
Height	87 mm
Depth	65 mm

Material specifications

Housing insulation material	Polyamide PA 6.6, self-extinguishing
-----------------------------	--------------------------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40 (Housing) IP20 (Connection terminal blocks)
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Climatic class	3K3 (in acc. with EN 60721)
Permissible humidity (operation)	15 % ... 85 %

Approvals

CE

Identification	CE-compliant
----------------	--------------

CCC

Identification	GB/T 14048.5
----------------	--------------

Mounting

Mounting type	DIN rail mounting
Assembly instructions	Mounting on TS 35 standard DIN rail (in accordance with EN 60715)
Mounting position	any

MR-ES-3V-400 - Monitoring relay

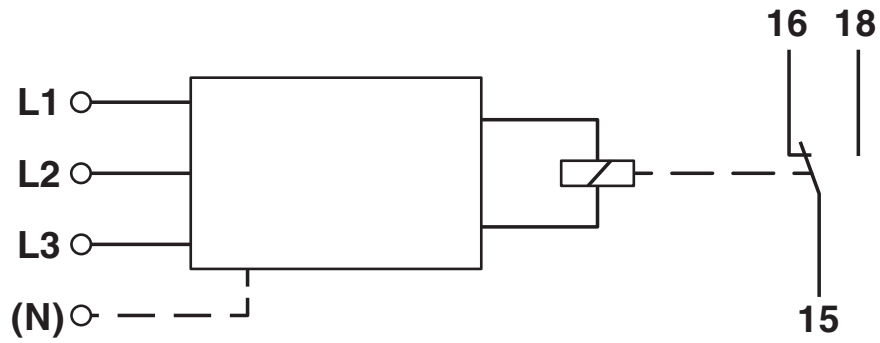


1217805

<https://www.phoenixcontact.com/in/products/1217805>

Drawings

Block diagram



MR-ES-3V-400 - Monitoring relay

1217805

<https://www.phoenixcontact.com/in/products/1217805>



Approvals



CCC-SDoC

Approval ID: 2020000303000027

MR-ES-3V-400 - Monitoring relay



1217805

<https://www.phoenixcontact.com/in/products/1217805>

Classifications

ECLASS

ECLASS-11.0	27371801
ECLASS-13.0	27371801
ECLASS-13.0	27371801

ETIM

ETIM 8.0	EC001438
----------	----------

UNSPSC

UNSPSC 21.0	41113600
-------------	----------

MR-ES-3V-400 - Monitoring relay



1217805

<https://www.phoenixcontact.com/in/products/1217805>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in