C | Logline

METZ CONNECT
We realize ideas

Data sheet
ASD-C18

P/N 110270

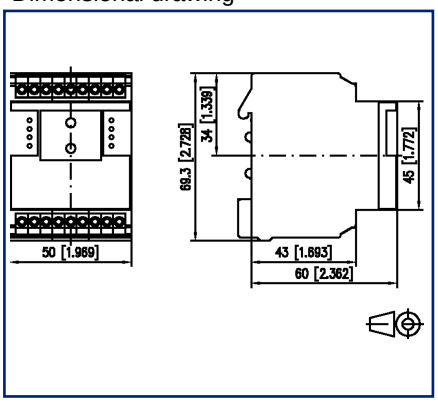
EAN 4250184120940

2023/06/20

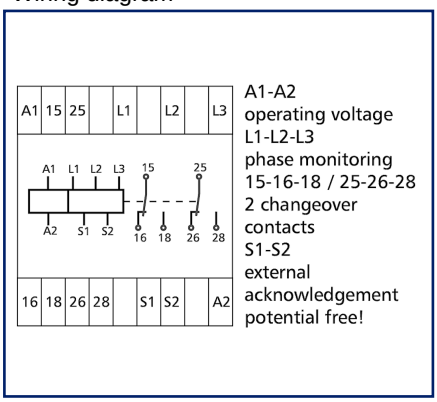
Version: D

Illustrations

Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

Monitoring relay for monitoring asymmetry, phase failure, phase sequence errors, overvoltage and undervoltage of a three-phase connection. With external fault acknowledgement.

- Connection with screw type terminal blocks
- Adjustable response delay
- Adjustable asymmetry
- Selectable fault memory
- 7-segment display

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433

RIA CONNECT BTR NETCOM

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Technical Data

Supply	
Operating voltage	230 V AC -15% ... +10%
Frequency range	50 Hz
Power consumption (max.)	15 mA
Duty cycle relative	100 %
Inputs	
Monitoring voltage (L1, L2, L3)	3 x 230/400 V AC, 50 Hz
Response delay	0.1 s - 9.9 s, adjustable
Confirmation time, adjustable	0,1 ... 9,9 min.
Asymmetry, adjustable	5 ... 20 %
Switching hysteresis	20 %
Measurement cycle	max. 100 ms
Temperature error	<= 0.06 %/°C
Measurement error within the operating voltage	<= 5 %
Outputs	
Contacts	2 changeover contacts
Contact material	AgNi
Switching voltage (max.)	250 V AC
Continuous Current	8 A
Pick-up delay	230 V~ 6 A AC1
Switch-off delay	230 V~ 3 A AC3
Switching frequency	360 switching cycles/h
Mechanical life	$3x10^7$ switching cycles
Electrical life	$1x10^5$ switching cycles
Indicator	green LED
Housing	
Dimensions	
Dimension (W x H x D)	50 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.969 in. x 2.728 in. x 2.362 in.
Weight	200 g
Mounting style	Standard rail TH35
Mounting position	any

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Technical Data

Housing	
Apposition	without distance
Connection type	Screw type terminal blocks
Terminal blocks	
Wire cross section solid	0.34 mm² - 2.5 mm² / AWG 22-12
Wire cross section multi	0.25 mm² - 2.5 mm² / AWG 22-12
Wire cross section with wire ferrule	0.25 mm² - 2.5 mm² / AWG 22-12
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm
Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
Temperature range	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F
Power loss	
Power loss (typical)	5 W
Classifications	
ETIM 7.0	EC001441
ETIM 8.0	EC001441
ETIM 9.0	EC001441

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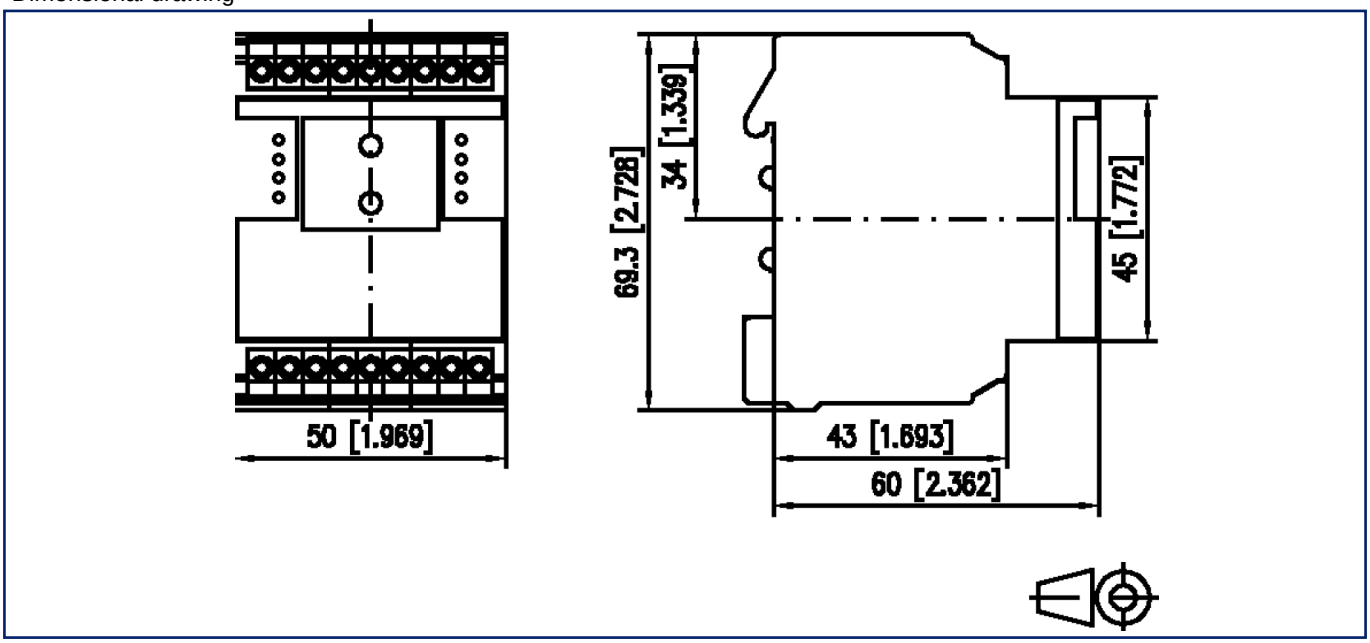
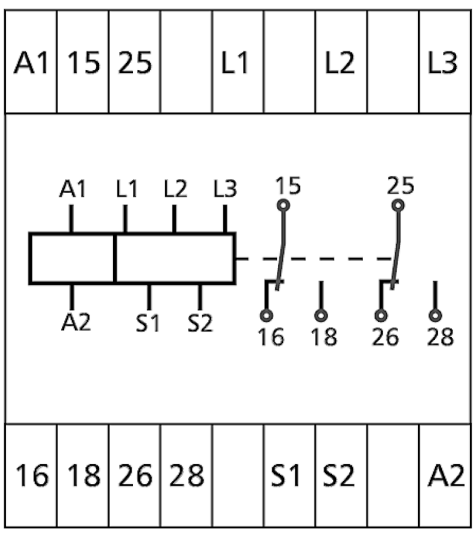


Wiring diagram



A1-A2
operating voltage
L1-L2-L3
phase monitoring
15-16-18 / 25-26-28
2 changeover
contacts
S1-S2
external
acknowledgement
potential free!

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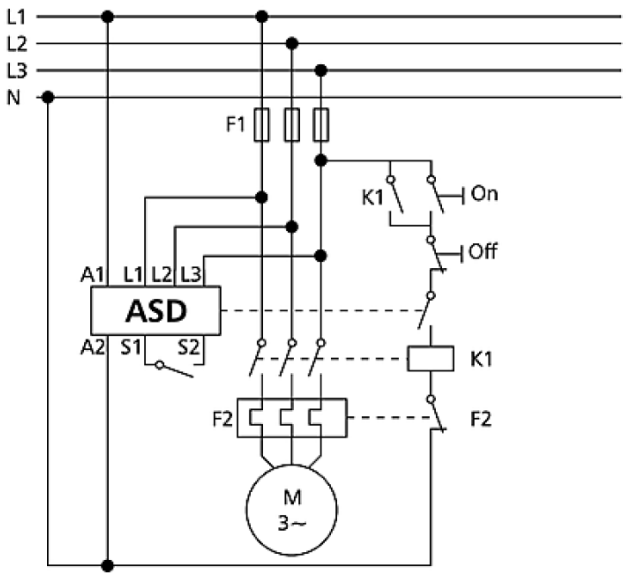
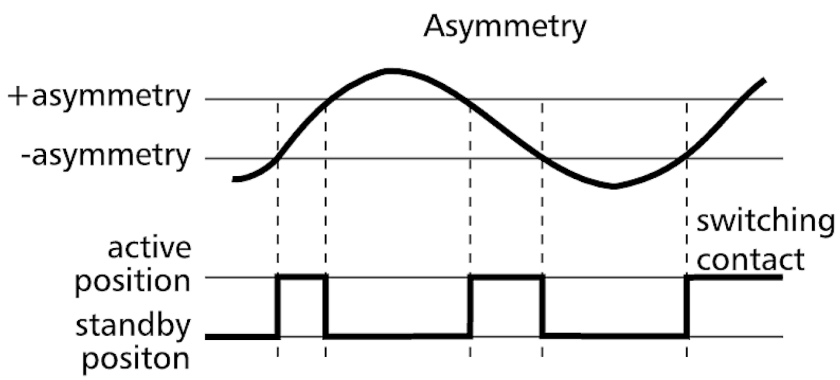
Schaltbeispiel

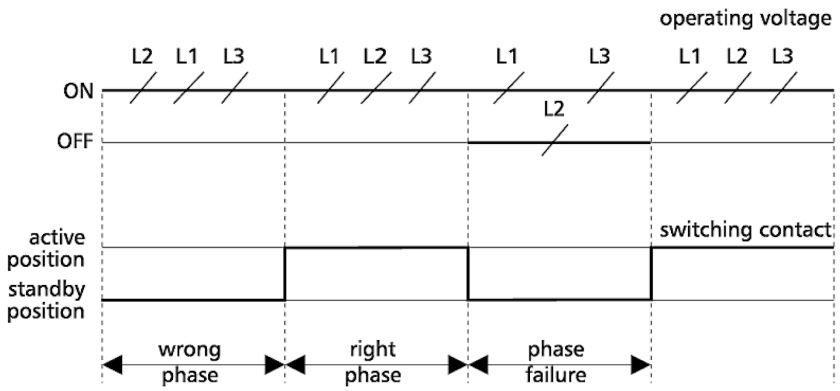


Function diagram



Illustrations

Function diagram



Function diagram