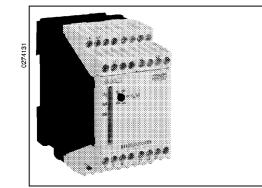
Monitoring Technique

VARIMETER Phase Monitor MH 9352.11/004 - CONTAVAL -

Preliminary datasheet





Your Advantage

- · Window monitoring
- . Large measuring range 3 AC 0 ... 500 V
- · Early detection of irregular states Space and cost saving
- · Reduced wiring

Features

- Measuring relay acc. to EN 60255, EN 50155, EN 45545, VDE 0435
- Voltage monitoring (3-phase)
- Phase sequence, phase failure
- Relay output: 1 changeover contact
- · Width: 45 mm

Approval and Markings



The phase monitor detects undervoltage and wrong phase sequence in 3-phase voltage systems. The unit works without auxiliary voltage. The switch position of the relays are indicated on LEDs. The unit works deenergized on trip

Indicators

green LED ON, U_H

on, when voltage on L2/L3 connected

green LED ON, U:

measuring - voltage and correct phase sequence.

Technical Data

Measuring Input L1 / L2 / L3

Nominal voltage: 3 AC 400 V 3 AC 85 ... 550 V Voltage range: 15 ... 400 Hz Frequency range

Input current (at U_N): 1 mA L2: 10 mA L3: 10 mA

Response value

Umin (adjustable):

Relay ON: U>responsevalueUmin(undervoltage) (11/12/14) and correct phase sequence

< 4 % Hysteresis:

Relay Output 11/12/14

Contacts: 1 changeover contacts Thermal voltage I,

Switching capacity

at AC 15: NO contact: 3 A / AC 230 V IEC/EN 60 947-5-1 IEC/EN 60 947-5-1 NC contact: 1 A / AC 230 V

Electrical life to AC 15 at 3 A, AC 230 V: Switching frequency:

2 x 10⁵ switching cycles IEC/EN 60 947-5-1 1800 / h

Short circuit strength

max. fuse rating:

DIN VDE 0660 30 x 106 switching cycles Mechanical life:

General Data

Nominal operating mode: continuous operation Temperature range: - 40... + 70°C Clearance and creepage distance

rated impulse voltage / pollution degree:

High voltage test: Test voltage 2,5 kV, Test time 1 min

ЕМС Electrostatic discharge (ESD): 8 kV (Luftentladung) IEC/EN 61 000-4-2 IEC/EN 61 000-4-4 2 kV Fast transients: 1 kV IEC/EN 61 000-4-5 Surge voltage: IEC/EN 61 000-4-6 HF-wire guided: 10 V

Limit value class A

Interference suppression: Degree of protection

IP 40 DIN EN 60 529 Enclosure Protective coating: No protective coating on the PCB thermoplastic with VO behaviour acc. to Housing:

UL Subject 94 Amplitude 0.35 mm Vibration resistance:

frequency 10 ... 55 Hz Vibration and shock resistance: Category 1, Class B IEC/EN 61 373 Climate resistance: 40 / 070 / 04 EN 60 068-1 Wire connection: 2 x 1.5 mm² solid or

1 x 2.5 mm2 stranded wire with sleeve or 2 x 1.5 mm² stranded wire with sleeve

EN 61 000-6-4

DIN 46 228-1/-2/-3/-4 Plus-minus terminal screws M3.5 Wire fixing: box terminals with wire protection

EN 60 715 Mounting: DIN rail Weight: 216 g

Dimensions

Width x height x depth: 45 x 90 x 97 mm

01	VIGILANTE DE TENSION TRIFASICA	1		DOLD MH 9352.11/004	0.216	216
	GUARDIA TENSIONE DI FASE (III)				0.210	
MARCA MARCA	DESCRIPCIÓN DESCRIZIONE	CANT.	CÓDIGO O NORMA CÒDICE O NORMA	MATERIAL O REFERENCIA MATERIALE O REFERENZA		DIMENSIONES DIMENSIONES (mm)

BEASAIN 0.216 A3 OT LOCOMOTIVA E401 ACTUALIZAR 2016-03-22 10127 Power & ISO 2768-cK **B** Modificar cajetin 2016-07-26 96015 DIN ISO 13920-BF Automation Descrizione Date VIGILANTE DE TENSION TRIFASICA 10221 Disegnato 16-10-2012 Comprovato 16-10-2012 12199 Verificato 16-10-2012 14422 Date Nome **GUARDIA TENSIONE DI FASE (III)** es/it ONSTRUCCIONES Y AUXILIAR B.20.71.146 DE FERROCARRILES, S.A BEASAIN (GIPUZKOA) 1/1

Alle Angaben in dieser Liste entsprechen dem technischen Stand zum Zeitpunkt der Ausgabe. Technische Verbesserungen und Änderungen behalten wir uns jederzeit vor.

MH9253.11/004 Contaval / 15.03.16 e

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