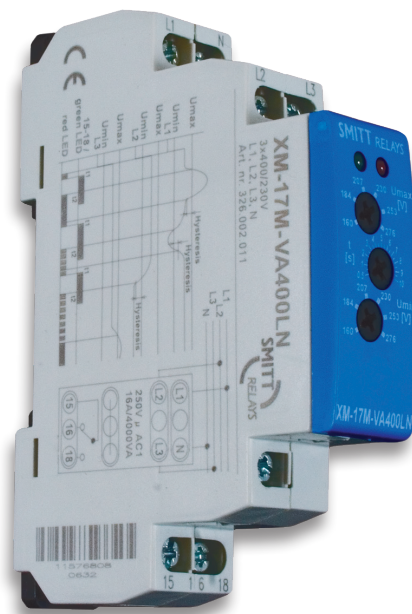


XM-17M-VA400LN - Voltage monitoring relay, 1 C/O, 8 A

Datasheet



Description

The XM-17M-VA400LN relay is suitable for 3-phase +N applications for the monitoring of phase present, phase sequence and under and over-voltage. The relay can be set to undervoltage and overvoltage independently.

Via the potentiometers a overvoltage between 242 V and 288 can be set. The undervoltage is adjustable between 173 V and 219 V. In case the voltage exceeds the set overvoltage or drops below the set undervoltage the relay will switch. In case a phase failure occurs or the phase sequence changes the relay will also switch. The red LED will indicate if the relay is in fault state.

Application

Phase fail, phase sequence and voltage monitoring relay, suitable for 3-phase +N circuits for general purpose applications.

Features

- Universal monitoring relay
- Monitors 3-phase +N
- Monitored voltage serves also as supply voltage
- Umax and Umin can be monitored independently
- Voltage Umin adjusted as % of Umax
- Adjustable time delay 0.1 – 10 s
- 1 C/O contact 8 A / AC1
- 35 mm rail mounting
- Output status by LED indicator
- Modular housing, 1 module

Benefits

- Rated current 8 A / AC1
- Long term availability
- 17.6 mm wide
- No maintenance

Industry compliancy

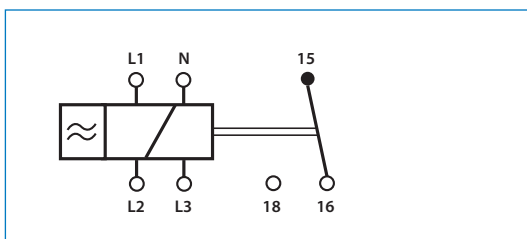
All our relays and accessories are designed according to regulations:

- EN 60255-6
- EN 61010-1
- CE

XM-17M-VA400LN

Technical specifications

Connection diagram



Time range

Time delay T1	Max. 500 ms
Time delay T2	Adjustable 0.1 - 10 s

Output

Number of contacts	1x change-over / SPDT (AgNi/silver alloy)
Rated current	8 A / AC1
Breaking capacity	2500 VA / AC1, 240 W / DC
Inrush current	10 A
Switching voltage	250 V AC1 / 24 V DC
Min. breaking capacity DC	500 mW
Output indication	Red LED
Mechanical life	10 x 10 ⁶ operations
Electrical life (AC1)	1 x 10 ⁴ operations

Supply and measuring

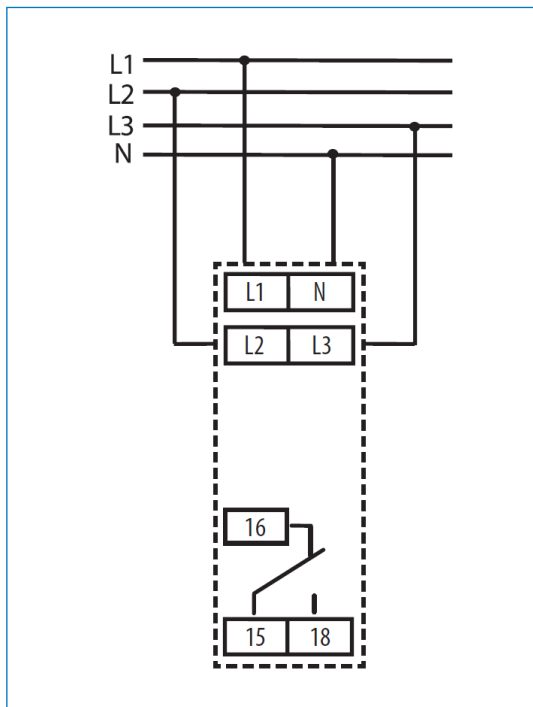
Supply and measuring terminals	L1, L2, L3, N
Supply terminal	L1, N
Supply / measured voltage	3 x 400 V / 230 50 Hz
Consumption	2 VA
Upper level (U _{max})	105 - 125 U _n
Bottom level (U _{min})	75 - 95 % U _n
Max. permanent overload	3 x 265 VAC
Peak overload	3 x 288 VAC
Hysteresis	5%



XM-17M-VA400LN

Technical specifications

Connection



Environmental conditions

Operating temperature	-20.. +55 °C
Storage temperature	-30.. +70 °C
Electrical strength	4 kV (supply - output)
Operating position	Any
Mounting	35 mm rail EN 60715
Protection degree	IP40 front panel, IP10 terminals
Overvoltage category	III
Pollution degree	2
Max. cable size mm ²	Solid wire max. 2 x 2.5 or 1 x 4 mm ² With sleeve max. 1 x 2.5 or 2 x 1.5 mm ²

Mechanical data

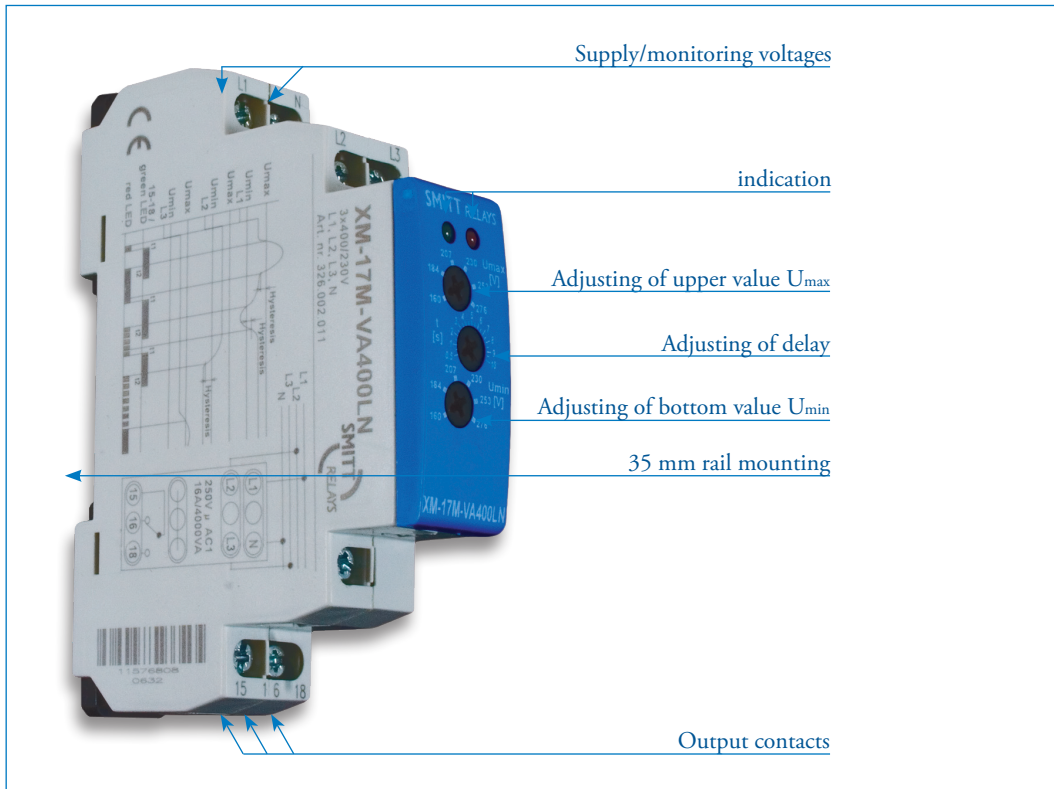
Dimensions (d, w, h)	90 x 17.6 x 64 mm
Weight	67 g
Standard	EN 60255-6, EN 61010-1



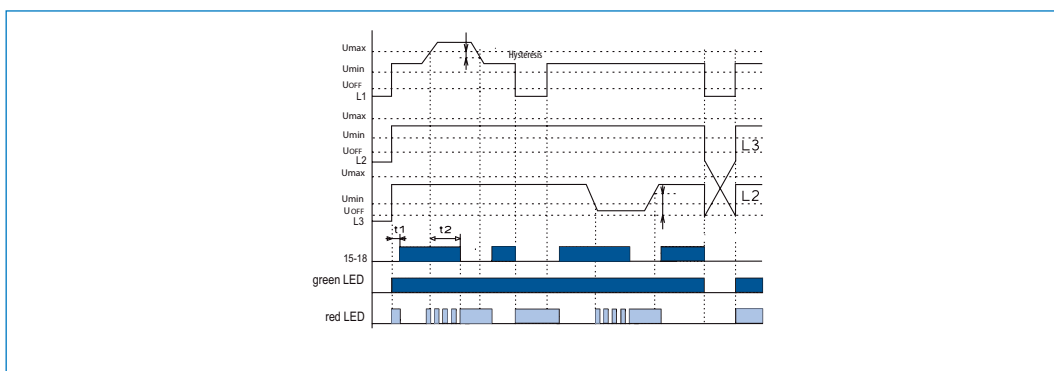
XM-17M-VA400LN

Technical specifications

Design



Functions



XM-17M-VA400LN

Ordering codes

Art. no.	Type	Function	Contacts	Voltage range
326001027	XM-17M-IA25U	AC 1-phase current monitoring	1 C/O	230 VAC 50/60 Hz
326002003	XM-17M-M400L	AC 3-phase voltage monitoring	1 C/O	3x 400 VAC 50 Hz
326002004	XM-17M-M400LN	AC 3-phase + N voltage monitoring	1 C/O	3x 400 VAC / 230 VAC 50 Hz
326002000	XM-17M-VA230	AC 1-phase voltage monitoring	1 C/O	48-276 VAC 50 Hz
326002002	XM-17M-2XVA230	AC 1-phase voltage monitoring	2x 1 C/O	48-276 VAC 50 Hz
326002011	XM-17M-VA400LN	AC 3-phase + N voltage monitoring	1 C/O	3x 400 VAC / 230 VAC 50 Hz
326002001	XM-17M-VD24	DC 1-phase voltage monitoring	1 C/O	6-30 VDC
326002006	XM-52M-M400L	AC 3-phase complete monitoring	2 C/O	230 VAC / 400 VAC 50/60 Hz
326002007	XM-52M-M400LN	AC 3-phase + N voltage monitoring	2 C/O	230 VAC / 400 VAC 50/60 Hz
326002005	XM-52M-VA500	AC/DC 1-phase voltage monitoring	2 C/O	10-500 VAC/DC 50 Hz





www.morssmitt.com



Mors Smitt France SAS

Tour Rosny 2, Avenue du Général de Gaulle,
F - 93118 Rosny-sous-Bois Cedex, FRANCE
T +33 (0)1 4812 1440, F +33 (0)1 4855 9001
E sales.msf@wabtec.com

Mors Smitt Asia Ltd.

29/E, Fun Towers, 35 Hung To Road
Kwun Tong, Kowloon, HONG KONG SAR
T +852 2343 5555, F +852 2343 6555
E sales.msa@wabtec.com

Mors Smitt B.V.

Vrieslantlaan 6, 3526 AA Utrecht,
NETHERLANDS
T +31 (0)30 288 1311
E sales.msbv@wabtec.com

Mors Smitt Technologies Inc.

1010 Johnson Drive,
Buffalo Grove, IL 60089-6918, USA
T +1 847 777 6497, F +1 847 520 2222
E salesmst@wabtec.com

Mors Smitt UK Ltd.

Graycar Business Park, Barton under Needwood,
Burton on Trent, Staffordshire, DE13 8EN, UK
T +44 (0)1283 722650 F +44 (0)1283 722651
E sales.msuk@wabtec.com

RMS Mors Smitt

6 Anzed Court, Mulgrave,
VIC 3170, AUSTRALIA
T +61 (0)3 8544 1200 F +61 (0)3 8544 1201
E sales.rms@wabtec.com