

- ▶ MEASURES PHASE TO PHASE VOLTAGE
- ▶ UNDER AND OVER VOLTAGE TRIP LEVEL SETTING
- ▶ UNDER AND OVER VOLTAGE TIME DELAY SETTING
- ▶ PHASE LOSS CONTROL
- ▶ OUTPUT RELAY 1 POLE CHANGEOVER CONTACT
- ▶ COMPACT SIZE - 1 MODULE - 17.5mm
- ▶ DIN RAIL MOUNTING EN50.022
- ▶ SELF-EXTINGUISHED MATERIAL UL94 V0

\* AVAILABLE ALSO IN 3 x 230V~ - COD: MVTFBD1

■ TYPICAL APPLICATION: SUPPLY VOLTAGE MONITORING



### EU Directives - CE Marking:

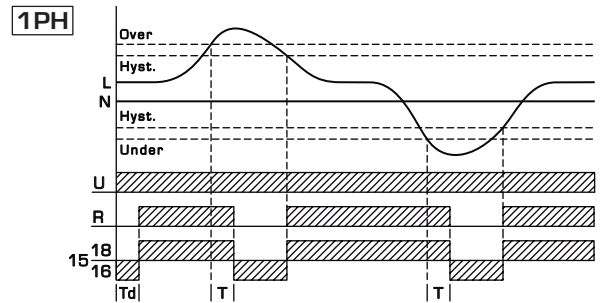
> 2014/30/UE - EMC

> 2014/35/UE - LVD

### TECHNICAL DATA

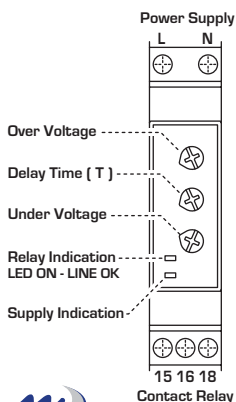
INPUT	UNIT	MVMFBD1	MVMFBD1-16
Supply voltage AC $\pm 10\%$	V~	230	230
Nominal Frequency	Hz	50 - 60 (range: 47 - 63)	
Trip Levels	Under	75 - 95% of U	
	Over	105 - 125% of U	
Power consumption (max. AC)	VA	13	
Supply indication ( U )	-	Green LED	
<b>OUTPUT RELAY</b>			
Rating	-	8A - 250V~/24V=	16A - 250V~/24V=
Max switching power	VA	2000	4000
Max switching voltage	V~	400	440
Min switching load	-	10mA 12V=	40mA 24V=
Contact life	Mech.	30 x 10 <sup>3</sup> ops	20 x 10 <sup>6</sup> ops
	Electr.	100 x 10 <sup>3</sup> ops	30 x 10 <sup>3</sup> ops
Changeover contacts	-	AgNiO.15	Ag-alloy
Output Indication ( R )	-	Red LED	
<b>GENERAL</b>			
Hysteresis (factory set)	%	$\pm 2$ of trip level	
Response Time	ms	100	
Time Range ( T )	s	0.2 - 10	
Power on delay ( Td )	ms	100	
Working temperature	°C	-20 / +50	
Storage temperature	°C	-30 / +70	
Electrical Insulation	kV	4	
Overvoltage Category	-	III	
Protection degree	IP	20	
Pollution degree	-	2	
Climatic category according to (without condensation)	-	IEC 60068-1 (20/050/60)	
	-	DIN 40040 (class D)	
Altitude up to	m	2000	
Weight	g	65	
Dimensions	mm	98 x 17.5 x 64	

### FUNCTIONS

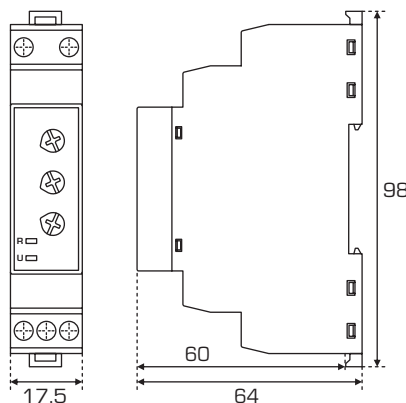


When Line is OK The R led and Relay are ON

### DESCRIPTION



### DIMENSIONS (mm)



### WIRING DIAGRAM

