

Product designation	Interface protection system units compliant with italian standard CEI 0-16		
Product type designation	PMVF3000		
<b>Control circuit</b>			
Rated current (Ie)	A	CT /5A /1A	
<b>Auxiliary supply</b>			
Rated auxiliary supply voltage Us			
AC	min	VAC	100
	Max	VAC	240
DC	min	VDC	110
	Max	VDC	250
<b>Voltage inputs</b>			
Maximum rated operational voltage	50...500VAC (for voltages/frequency / 50...150V (for residual voltage measurement))		
Measurement range	V	400-150000V (VT primary)	
Frequency range	Hz	45...55	
<b>Current inputs</b>			
Measurement range	For 1A scale: 0.01...1.2A; for 5A scale: 0.01...6A		
Type of input	Shunts powered by external current transformer (low voltage) 5A max		
Measurement method	RMS		
Overload peak	A	50A for 1 second	
Burden per phase	W	≤0.3W	
<b>Relay outputs</b>			
Number of relays	Nr.	2	
Contact arrangement	1 changeover contact/SPDT each		
Rated operational voltage AC (IEC)	VAC	250	
UL/CSA and IEC/EN 60947-5-1 designation	5A 250VAC AC1/B300; 5A 30VDC		
<b>Digital inputs</b>			
Number and type of inputs	4 negative (NPN)		
Input voltage	24VDC isolated		
Input current	mA	7	
<b>Connections</b>			
Terminals type	Screw - removable		

Tightening torque for terminals

max	Nm	0.5
max	lbin	4.5

Conductor cross section

AWG/Kcmil

min	AWG	24
Max	AWG	12

IEC

min	mm <sup>2</sup>	0.2
Max	mm <sup>2</sup>	2.5

**Housing**

Material

Polyamide

Mounting

Flush mount

IEC degree of protection

IP65 on front;  
IP20 at terminals

Dimensions (W x H x D)

mm 18 x 96 x79

**ETIM classification**

ETIM 8.0

EC001438 -  
Voltage  
monitoring relay