

OMRON

Product Discontinuation Notices

May 9, 2011

Measuring/Motor Protective Relays

No. 2011147E

Discontinuation Notice of Zero-phase Voltage Detection Unit. VOC-3S

Product Discontinuation

Zero-phase Voltage Detection Unit

Recommended Replacement

Zero-phase Voltage Detection Unit



VOC-3S

VOC-1MS2

Discontinuation date: The end of March, 2012

Caution on recommended replacement

Wiring and outer diameter will be changed. Please be careful with when installing.

Difference from discontinued product

Model	Body Color	Dimen sions	Wire connection	Mounting Dimensions		Operation ratings	Operation methods
VOC-1MS2					*	*	*

^{** :} Fully compatible

* : The change is a little/Almost compatible

-- : Not compatible

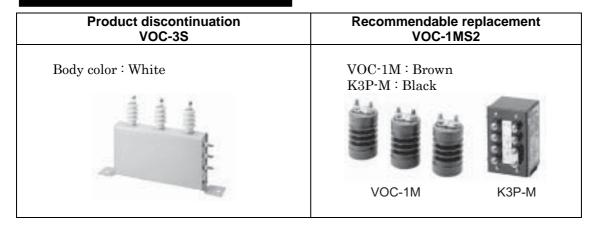
- : No corresponding specification

Product Discontinuation and recommended replacement

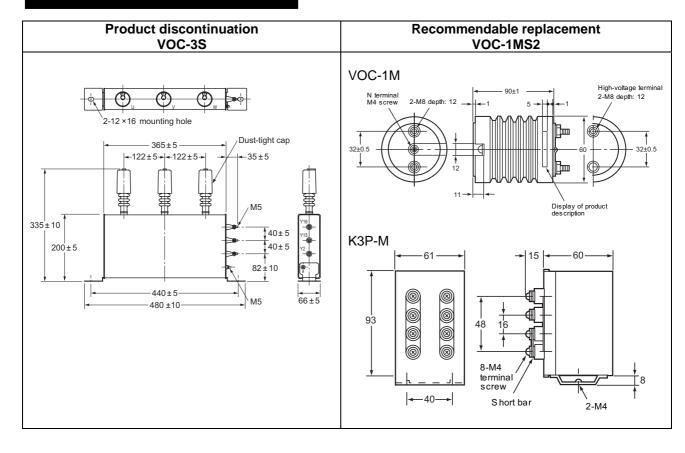
Product discontinuation	Recommended replacement		
VOC-3S	VOC-1MS2		

Industrial Automation Company

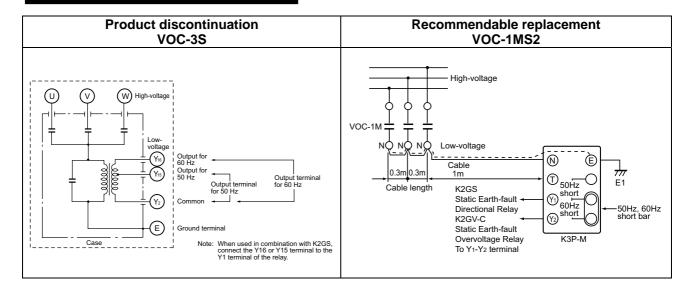
Body color



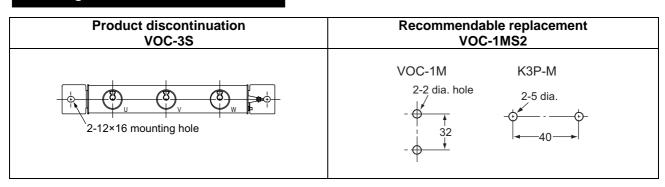
Dimensions



Wire Connection



Mounting dimensions



Characteristics

Product discontinuation VOC-3S

Rated voltage	6,600 VAC	
Rated frequency	50/60 Hz	
Output voltage	7.6 VAC (when 6,600 VAC line is in complete ground fault condition)	
I/O phase angle	nase angle 180± 10°	
Insulation rank	No.6 A (JEC1201)	
Dielectric strength	22,000 VAC for 1 min (between each high-voltage terminal and case and between high-voltage terminals) 2,000 VAC for 1 min (between output terminal and case)	
Insulation resistance	1,000 M Ω min. (between each hige-voltage terminal and case); 10 M Ω min. (between output terminal and case) at 1,000 VDC	
Impulse withstand voltage	1.2/50 μs, peak value: 65,000 V (JEC212) (between high-voltage terminal and case)	
Ambient temperature	Operating: -20 to 60°C	
Operation condition	Indoor (in air)	
Weight	Approx. 6.2 kg	

Note: Changing between 50 Hz operation and 60 Hz operation can be achieved through selective connections at output terminals.

Recommendable replacement VOC-1MS2

VOC-1M

Rated voltage	6,600 VAC	
Rated frequency 50/60 Hz		
Rated capacity	250pF	
Insulation rank	No.6 A (JEC1201)	
Dielectric strength	22,000 VAC for 1 min (between high-voltage terminal and mounted terminal) 2,000 VAC for 1 min (between low-voltage terminal and mounted terminal)	
Insulation resistance	1,000 M Ω min. (between hige-voltage terminal and mounted terminal) at 1,000 VDC	
Lightning impulse withstand voltage	1.2/50 μs, between hige-voltage terminal and mounted terminal, peak value: 65,000 V	
Ambient temperature	Ambient temperature Operating: -20 to 60°C	
Operation condition	eration condition Indoor (in air)	
Weight	Approx. 550 g (per 1 product)	

K3**P**-**M**

Rated frequency	equency 50/60 Hz (Select short bar of terminal.)	
Rated output voltage	7.6 VAC (when 6,600 VAC line is in complete ground fault condition)	
Dielectric strength	2,000 VAC for 1 min (between output terminal and case)	
Insulation resistance	10 MΩ min. (between output terminal and case) at 1,000 VDC	
Ambient temperature	Operating: -20 to 60°C	
Operation condition	Indoor (in air)	
Weight Approx. 600 g		