

Insulation monitoring relays for unearthed supply systems

Ordering details

Measuring & monitoring relays
CM Range

NEW



CM-IWS.2

Description

The high reliability of an IT system is guaranteed thanks to continuous insulation monitoring. An insulation monitoring device recognizes insulation faults as they develop, and immediately reports that the value has fallen below the minimum. This prevents operational interruption caused by a second, more severe insulation fault.

ABB developed a totally new range of insulation monitors for AC, DC or mixed AC/DC IT Systems up to 690 V AC or 1000 V DC. With only 4 devices most standard applications can be served. Additionally a version for solar applications with increased earth leakage capacitance has been added.



CM-IWS.1



CM-IWN.1



CM-IVN

Ordering details

Rated control supply voltage = measuring voltage	Nominal voltage U_n of the distribution system to be monitored	System leakage capacitance, max.	Adjustment range of the specified response value R_{an} (threshold)	Reference code	Catalog number	Weight (1 pce) kg (lb)
24-240 V AC/DC	0-250 V AC / 0-300 V DC	10 μ F	1-100 kW	CM-IWS.1	1SVR630660R0100	0.133 (0.293)
24-240 V AC/DC	0-400 V AC	10 μ F	1-100 kW	CM-IWS.2	1SVR630670R0200	0.127 (0.280)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	20 μ F	1-100 kW 2-200 kW	CM-IWN.1	1SVR650660R0200	0.231 (0.509)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	1000 μ F	(activated / de-activated by DIP-switch)	CM-IWN.5	1SVR650660R0400	0.231 (0.509)
Passive device, no control supply voltage needed	0-690 V AC / 0-1000 V DC			CM-IVN	1SVR650669R9400	0.169 (0.373)

Ordering details - New range available at 4th quarter of 2012

Rated control supply voltage = measuring voltage	Nominal voltage U_n of the distribution system to be monitored	System leakage capacitance, max.	Adjustment range of the specified response value R_{an} (threshold)	Reference code	Catalog number	Weight (1 pce) kg (lb)
24-240 V AC/DC	0-250 V AC / 0-300 V DC	10 μ F	1-100 k Ω	CM-IWS.1S	1SVR730660R0100	0.148 (0.326)
				CM-IWS.1P	1SVR740660R0100	0.137 (0.302)
24-240 V AC/DC	0-400 V AC	10 μ F	1-100 k Ω	CM-IWS.2S	1SVR730670R0200	0.141 (0.311)
				CM-IWS.2P	1SVR740670R0200	0.130 (0.287)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	20 μ F	1-100 k Ω 2-200 k Ω	CM-IWN.1S	1SVR750660R0200	0.241 (0.531)
				CM-IWN.1P	1SVR760660R0200	.217 (0.478)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	500 μ	(activated / de-activated by DIPswitch)	CM-IWN.4S	1SVR750660R0300	0.241 (0.531)
				CM-IWN.4P	1SVR760660R0300	0.217 (0.478)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	1000 μ F		CM-IWN.5S	1SVR750660R0400	0.241 (0.531)
				CM-IWN.5P	1SVR760660R0400	0.217 (0.478)
24-240 V AC/DC	0-400 V AC / 0-600 V DC	2000 μ F		CM-IWN.6S	1SVR760660R0500	0.241 (0.531)
				CM-IWN.6P	1SVR760660R0500	0.217 (0.478)