

SURGE PROTECTIVE DEVICES

OVRT2 Range

CSA/UL certified Type 2 DIN rail components



—
01 OVR line of DIN
rail mounted surge
protective devices

The most serious consequences of surge events are the death of people and the destruction of expensive equipment. At the same time, the growing amount of equipment incorporating very sensitive electronic devices increases the number of incidences linked to lightning or internal plant disturbances such as load switching.

Security

certified as a Type 4 for Type 2 installations for indirect lightning strikes or internal disturbances that could create unwanted surge events. The OVR T2 series are offered up to 40kA maximum discharge for the best solution in “point-of-use” protection such as control panels. The MOV technology will allow only the maximum voltage the system can withstand without destroying the equipment.

Simplicity

With it's pluggable and replaceable cartridge, the OVR T2 series are simple to use. When a cartridge needs to be replaced, the end-of-life indicator (standard on all cartridges) will turn to red. No need to unwire the system anymore...simply pull out and replace the cartridge. A signal dry contact is also available on some model for remote indication of the cartridge's end of life.

Flexibility

Available for all types of network (Wye, Delta and split phase), the OVR T2 range offers the most flexible solution for any types of applications. Available as single pole unit or as a complete 3p or 3p+N unit.

Main features

- Available up to 40kA max. discharge
- Up to 600 Vac
- All types of network
 - 2p/3w+G
 - 3p/3w+G
 - 3p/4W+G
- End of life indicator standard on all cartridges
- End of life remote contact (optional)
- Din rail mounted

Technical data

Certifications	UL 1449 4 th ed. CSA C22.2 No. 269.4-14
SPD type	Type 4 for Type 2 requirement
Markings	cURus, CE
Installation	35mm top hat DIN rail
Upstream protection	Required
Thermal protection	None
Protection degree	NEMA 1 (indoor use)
Operating temperature	-40 °C +80 °C
Network type	AC only

Complete units

F1 - Priority to protection
F2 - Priority to service

F1 < 100A: F2 optional
F1 ≥ 100A: F2 mandatory

To size correct protection to use upstream, please refer to the installation manual 2CTC432093M1701 and 2CTC432094M1701

Single phase 2w+G	Voltage	Neutral	Max. Discharge	Remote cont.	Part number
	120 Vac	Yes	15 kA	No	OVRT21N15150PU
			40 kA	Yes	OVRT21N40150PTSU
	240 Vac 277 Vac	Yes	15 kA	No	OVRT21N15320PU
			40 kA	Yes	OVRT21N40320PTSU
	347 Vac	Yes	40 kA	Yes	OVRT21N40440PTSU
Split phase 3w+G					
	120/240 Vac	Yes	15 kA	No	OVRT22N15150PU
		No	15 kA	No	OVRT22L15150PU
Delta 3 phase 3w+G					
	240 Vac	No	15 kA	No	OVRT23L15320PU
			40 kA	Yes	OVRT23L40320PTSU
	480 Vac	No	40 kA	Yes	OVRT23L40550PTSU
	600 Vac	No	40 kA	Yes	OVRT23L40660PTSU
Wye 3 phase 4w+G					
	120/208 Vac	Yes	15 kA	No	OVRT23N15150PU
			40 kA	Yes	OVRT23N40150PTSU
		No	15 kA	No	OVRT23L40150PU
			40 kA	Yes	OVRT23L40150PTSU
	277/480 Vac	Yes	15 kA	No	OVRT23N15320PU
			40 kA	Yes	OVRT23N40320PTSU
		No	15 kA	No	OVRT23L15320PU
			40 kA	Yes	OVRT23L40320PTSU
	347/600 Vac	Yes	40 kA	Yes	OVRT23N40440PTSU
			40 kA	Yes	OVRT23L40440PTSU
		No	40 kA	Yes	OVRT23L40440PTSU
			40 kA	Yes	OVRT23L40440PTSU

Single pole devices

Single pole devices	Voltage	Max. Discharge	Remote cont.	Part number
	120 Vac	15 kA	No	OVRT215150PU
	120/208 Vac	40 kA	No	OVRT240150PU
	120/240 Vac		Yes	OVRT240150PTSU
	240 Vac	15 kA	No	OVRT215320PU
		40 kA	No	OVRT240320PU
	277/480 Vac		Yes	OVRT240320PTSU
	347/600 Vac	40 kA	Yes	OVRT240440PTSU
	480 Vac	40 kA	Yes	OVRT240550PTSU
	600 Vac	40 kA	Yes	OVRT240660PTSU
Ground pole				OVRT270NPU