

Technical data

OVR NE12 enclosed SPD

Surge Protective
Devices

		OVRNE12320480DX OVRNE12320480D OVRNE12160480DX OVRNE12160480D	OVRNE12320277YX OVRNE12320277Y OVRNE12160277YX OVRNE12160277Y	OVRNE12320120SPX OVRNE12320120SP OVRNE12160120SPX OVRNE12160120SP
Technical characteristics				
Service voltage		480V Delta	480/277V Wye	240/120V Split phase
Application		Service entrance	Service entrance	Service entrance
Phases		3	3	2
Mode of protection		L-L / L-N / L-G / N-G	L-L / L-N / L-G / N-G	L-L / L-N / L-G / N-G
Surge capacity/phase (I_{max})	kA	160 or 320	160 or 320	160 or 320
Maximum continuous operating voltage (MCOV)	V	550	320	150
Voltage protection rating (VPR - UL 3rd Ed.)				
L-N	V	/	1200	900
L-L	V	1800	2000	1200
L-G	V	1800	1200	800
N-G	V	/	1200	800
Nominal discharge current (I_n)	kA	10	10	10
Short circuit current rating (SCCR)	kA	200	200	200
AC power frequency	Hz	50-60	50-60	50-60
Thermal fuse		Type J 100A	Type J 100A	Type J 100A
EMI/RFI filtering	dB	-30	-30	-30
Mechanical characteristics				
Connection terminals	Inches	1/4 - 5/16 - 3/8 - 1/2	1/4 - 5/16 - 3/8 - 1/2	1/4 - 5/16 - 3/8 - 1/2
Terminal torque	Nm	6-75	6-75	6-75
Auxiliary contact connection terminals	AWG	22 - 12	22 - 12	22 - 12
Auxiliary contact terminal torque	Nm	1	1	1
Front display		Yes	Yes	Yes
LED indicators		Yes	Yes	Yes
Audible alarm		Yes	Yes	Yes
Auxiliary contact		Yes	Yes	Yes
Surge counter		Yes - Option "X"	Yes - Option "X"	Yes - Option "X"
Enclosure material		Painted steel	Painted steel	Painted steel
Enclosure rating		NEMA 12	NEMA 12	NEMA 12
Dimensions H x W x D (approx.)	Inches	24" x 16" x 8"	24" x 16" x 8"	24" x 16" x 8"
Weight (approx.)	lbs	40	40	40
Miscellaneous characteristics				
Stocking temperature		32°F (0°C) to 104°F (40°C)	32°F (0°C) to 104°F (40°C)	32°F (0°C) to 104°F (40°C)
Operating temperature		32°F (0°C) to 104°F (40°C)	32°F (0°C) to 104°F (40°C)	32°F (0°C) to 104°F (40°C)
Maximum altitude		6600 feet (2000 m)	6600 feet (2000 m)	6600 feet (2000 m)
Fire resistance according to UL 94		V0	V0	V0
Approvals		ANSI/UL 1449 3rd Ed. Meets IEEE requirements	ANSI/UL 1449 3rd Ed. Meets IEEE requirements	ANSI/UL 1449 3rd Ed. Meets IEEE requirements
Replacement MOV block				
		OVR1N160480PS (power supply) OVR1N160480	OVR1N160277PS (power supply) OVR1N160277	OVR1N160120PS (power supply) OVR1N160120