

Protection and safety

OVRHT3B Sub Distribution and Panelboard – 400A and below



- Listed to UL 1449 4th Edition for Type 1 SPD applications.
- 50kA per phase protection.
- Individual thermally fused and protected MOVs.
- Includes pre-wired pigtail conductors.
- Multiple MOVs per phase eliminates single point failure.

Technical features

Electrical

Nominal discharge current rating (I-n)	20 kA (Earthing systems 10 kA)
Operating frequency	47–63 Hz
Connection methods	Parallel to load (shunt) 914.4 mm (36") of 3.31 mm ² (#12 AWG) wires
Modes of protection	Model dependent
Fault rating (SCCR)	100 kA IC
Response time	Less than 1 nanosecond (one per phase)
Standard monitoring	LED status indicator lights

Mechanical

Weight	23 kg (5 lbs)
Enclosure type	NEMA 4X, non metallic
Installation location	Indoor/Outdoor
Mounting method	12.7mm (1/2")–14 NPT thread
Operating environment	-35° to +80°C (-31° to +176°F)
Altitude	Up to 5000m (16,400 ft.)
Product design	Individual thermally fused and protected MOVs

Regulatory

UL 1449 4th edition type	Type 1
UL 96A	Yes
IEEE C62.41.1, .2, C62.45	Yes
Listed by	UL



Configuration	kA per phase	Voltage	Order details		Price 1 piece	Weight 1 piece kg	Pack unit pc.
			Type code	Order code			
1-phase, 2-wire + ground	50kA	120V	OVRHT3B501201P	2CJC405120P0000		0.23	1
1-phase, 2-wire + ground	50kA	240V	OVRHT3B502401P	2CJC405240P0000		0.23	1
1-phase, 2-wire + ground	50kA	277V	OVRHT3B502771P	2CJC405277P0000		0.23	1
1-phase, 2-wire + ground	50kA	480V	OVRHT3B504801P	2CJC405480P0000		0.23	1
2-phase, 3-wire + ground	50kA	120/240V	OVRHT3B501202S	2CJC405120S0000		0.23	1
2-phase, 3-wire + ground	50kA	240/480V	OVRHT3B502402S	2CJC405240S0000		0.23	1
3-phase High-Leg, 4-wire + ground	50kA	120/240V	OVRHT3B502403H	2CJC405240H0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	120/208V	OVRHT3B501203Y	2CJC405120Y0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	220/380V	OVRHT3B502203Y	2CJC405220Y0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	230/400V	OVRHT3B502303Y	2CJC405230Y0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	240/415V	OVRHT3B502403Y	2CJC405240Y0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	277/480V	OVRHT3B502773Y	2CJC405277Y0000		0.23	1
3-phase Wye, 4-wire + ground	50kA	347/600V	OVRHT3B503473Y	2CJC405347Y0000		0.23	1
3-phase Delta, 3-wire + ground	50kA	240V	OVRHT3B502403D	2CJC405240D0000		0.23	1
3-phase Delta, 3-wire + ground	50kA	380V	OVRHT3B503803D	2CJC405380D0000		0.23	1
3-phase Delta, 3-wire + ground	50kA	400V	OVRHT3B504003D	2CJC405400D0000		0.23	1
3-phase Delta, 3-wire + ground	50kA	480V	OVRHT3B504803D	2CJC405480D0000		0.23	1
3-phase Delta, 3-wire + ground	50kA	600V	OVRHT3B506003D	2CJC405600D0000		0.23	1
Earthing Systems							
1-phase, 2-wire + ground (for TNC earthing systems)	50kA	230V	OVRHT3B502301PI	2CJC405230I0000		0.23	1
1-phase, 2-wire + ground (for TNS earthing systems)	50kA	230V	OVRHT3B502301PJ	2CJC405230J0000		0.23	1
1-phase, 2-wire + ground (for IT earthing systems)	50kA	230V	OVRHT3B502301PK	2CJC405230K0000		0.23	1
1-phase, 2-wire + ground (for TT earthing systems)	50kA	230V	OVRHT3B502301PL	2CJC405230L0000		0.23	1
Warranty							
3-year							