8

Surge protective devices

Section updated 09/2023

Section 8
Surge protective devices
Table of contents

DIN rail surge protective devices

Power series	8-1
Photovoltaic (PV) series	8-2
Data and Signal Protection series	8-2

Hardwired surge protective devices

OVRHR series	8-3
OVRHT3D series	8-3

Surge protective devices

Power - DIN rail series

UL 1449 5th edition

Poles	Voltage	Description	Ordering Code	Alt. ordering code
1	120	1-Phase, 2 wire	2CTB802341R0000	OVR T2 15-150 P U
3	277	3-Phase Delta, 4 wire	2CTB802345R2400	OVR T2 3L 40-320PU
3	480	3-Phase Delta, 4 wire	2CTB802345R3400	OVR T2 3L 40-550PU
3	480/277	3-Phase Wye, 5 wire	2CTB802346R2400	OVR T2 3N 40-320PU
3	480/277	3-Phase Wye, 5 wire	2CTB802346R3400	OVR T2 3N 40-550PU

UL 1449 5th edition

Poles	Voltage	Description	Ordering Code	Alt. ordering code
1	120	1-Phase, 2 wire	2CTB802341R2100	OVR T2 40-150 P TS U
1	120	1-Phase, 2 wire	2CTB802341R2000	OVR T2 40-150 P U
1	277	1-Phase, 2 wire	2CTB802341R2500	OVR T2 40-320 P TS U
1	347	1-Phase, 2 wire	2CTB802341R2900	OVR T2 40-440 P TS U
1	480	1-Phase, 2 wire	2CTB802341R3300	OVR T2 40-550 P TS U
1	600	1-Phase, 2 wire	2CTB802341R3700	OVR T2 40-660 P TS U
1	400/690	1-Phase	2CTB815101R9300	OVR T1 25 440-50
1	277	1-Phase, 2 wire	2CTB802341R0400	OVR T2 15-320 P U
1	120	1-Phase, 3 wire	2CTB802342R0000	OVR T2 1N 15-150 P U
1	277	1-Phase, 3 wire	2CTB802342R0400	OVR T2 1N 15-320 P U
1	120	1-Phase, 3 wire	2CTB802342R2100	OVR T2 1N 40-150 P TS U
1	277	1-Phase, 3 wire	2CTB802342R2500	OVR T2 1N 40-320 P TS U
1	347	1-Phase, 3 wire	2CTB802342R2900	OVR T2 1N 40-440 P TS U
1	480	1-Phase, 3 wire	2CTB802342R3300	OVR T2 1N4 0-550 P TS U
1	600	1-Phase, 3 wire	2CTB802342R3700	OVR T2 1N 40-660 P TS U
2	240/120	2-Phase, 3 wire	2CTB802343R0000	OVR T2 2L 15-150 P U
2	480/277	2-Phase, 3 wire	2CTB802343R0400	OVR T2 2L 15-320 P U
2	240/120	2-Phase, 3 wire	2CTB802343R2100	OVR T2 2L 40-150 P TS U
2	480/277	2-Phase, 3 wire	2CTB802343R2500	OVR T2 2L 40-320 P TS U
2	480/277	2-Phase, 3 wire	2CTB802343R2400	OVR T2 2L 40-320 P U
2	240/120	2-Phase, 4 wire	2CTB802344R0000	OVR T2 2N 15-150 P U
2	480/277	2-Phase, 4 wire	2CTB802344R0400	OVR T2 2N 15-320 P U
2	240/120	2-Phase, 4 wire	2CTB802344R2100	OVR T2 2N 40-150 P TS U
2	480/277	2-Phase, 4 wire	2CTB802344R2500	OVR T2 2N 40-320 P TS U
2	600/347	2-Phase, 4 wire	2CTB802344R2900	OVR T2 2N 40-440 P TS U
2	480/277	2-Phase, 4 wire	2CTB802344R3300	OVR T2 2N 40-550 P TS U
2	600/347	2-Phase, 4 wire	2CTB802344R3700	OVR T2 2N 40-660 P TS U

Table continues on next page.

Surge protective devices

Power - DIN rail series

UL 1449 5th edition

Poles	Voltage	Description	Ordering Code	Alt. ordering code
3	120	3-Phase Delta, 4 wire	2CTB802345R0000	OVR T2 3L 15150 P U
3	120	3-Phase Delta, 4 wire	2CTB802345R2100	OVR T2 3L 40-150 P TS U
3	277	3-Phase Delta, 4 wire	2CTB802345R2500	OVR T2 3L 40-320 P TS U
3	347	3-Phase Delta, 4 wire	2CTB802345R2900	OVR T2 3L 40-440 P TS U
3	480	3-Phase Delta, 4 wire	2CTB802345R3300	OVR T2 3L 40-550 P TS U
3	208/120	3-Phase Wye, 5 wire	2CTB802346R0000	OVR T2 3N 15-150 P U
3	480/277	3-Phase Wye, 5 wire	2CTB802346R0400	OVR T2 3N 15-320 P U
3	208/120	3-Phase Wye, 5 wire	2CTB802346R2100	OVR T2 3N 40-150 P TS U
3	480/277	3-Phase Wye, 5 wire	2CTB802346R2500	OVR T2 3N 40-320 P TS U
3	600/347	3-Phase Wye, 5 wire	2CTB802346R2900	OVR T2 3N 40-440 P TS U
3	480/277	3-Phase Wye, 5 wire	2CTB802346R3300	OVR T2 3N 40-550 P TS U
3	600/347	3-Phase Wye, 5 wire	2CTB802346R3700	OVR T2 3N 40-660 P TS U

Surge protective devices

Photovoltaic (PV) - DIN rail series

UL 1449 5th Edition

Poles	Voltage	Description	Ordering Code	Alt. ordering code
3	1500	1500V Photovoltaic SPD	2CTB802400R1500	OVR PV T2 40-1500 P
3	1500	1500V Photovoltaic SPD with Dry contacts	2CTB802401R1500	OVR PV T2 40-1500 P TS
3	1000	1000V Photovoltaic SPD	2CTB802400R1000	OVR PV T2 40-1000 P
3	1000	1000V Photovoltaic SPD with Dry contacts	2CTB802401R1000	OVR PV T2 40-1000 P TS
3	1000	1000V Photovoltaic Cartridge	2CTB802402R1000	OVR PV T2 40-1000 C
3	1500	1500V Photovoltaic Cartridge	2CTB802402R1500	OVR PV T2 40-1500 C

Surge protective devices

Data and signal protection - DIN rail series

UL 497B 4th Edition

Poles	Max. Voltage	Description	Ordering Code	Alt. ordering code
3	15 V	DATA SPD FOR RS485 SLIM 7mm WIDE	7TCA085400R0551	OVRSLRS485UL
3	15 V	DATA SPD FOR RS485 SLIM 7mm WIDE w/ LED	7TCA085400R0552	OVRSLRS485LUL
12	15 V	DATA SPD, 4-RS485 w/ SHIELDS SCREW TERM	7TCA085400R0572	OVRRS485QUL
12	15 V	DATA SPD, 4-RS485 w/ SHIELDS PUSH TERMS	7TCA085400R0579	OVRRS485QPTUL
12	30 V	DATA SPD FOR 4 PAIR SIGNAL 30V	7TCA085400R0568	OVR30QUL
12	30 V	DATA SPD FOR 4pr SIGNAL PUSH TERM 30V	7TCA085400R0575	OVR30QPTUL
3	6 V	DATA SPD FOR 2-WIRE SIGNAL 7mm SLIM 6V	7TCA085400R0527	OVRSL06UL
4	6 V	DATA SPD, 2-WIRE ISOSHIELD 7mm SLIM 6V	7TCA085400R0528	OVRSL06IUL
3	30V	DATA SPD, 2-WIRE SIGNAL 7mm SLIM 30V	7TCA085400R0535	OVRSL30UL
4	30 V	DATA SPD, 2-WIRE ISOSHIELD 7mm SLIM 30V	7TCA085400R0536	OVRSL30IUL
3	180 V	DATA SPD, 2-WIRE SIGNAL 7mm SLIM 180V	7TCA085400R0547	OVRSL180UL

Surge protective devices series

OVRHR series

UL 1449 5th Edition

NEMA Type	Voltage	Max surge current rating	Description	Ordering Code	Alt. ordering code
UL 1449 Type 1	240/120 V	36 kA	2-phase, 3-wire + ground	2CJC903120S0004	OVRHR361202S

Surge protective devices series

OVRHT3D series

UL 1449 5th Edition

NEMA Type	Voltage	Max surge current rating	Description	Ordering Code	Alt. ordering code
UL 1449 Type 1	240V	50 kA	1-phase, 2-wire + ground	2CJC705240P0000	OVRHT3D502401P
UL 1449 Type 1	277V	50 kA	1-phase, 2-wire + ground	2CJC705277P0000	OVRHT3D502771P
UL 1449 Type 1	240/120V	50 kA	2-phase, 3-wire + ground	2CJC705120S0000	OVRHT3D501202S
UL 1449 Type 1	208/120V	50 kA	3-phase Wye, 4-wire + ground	2CJC705120Y0000	OVRHT3D501203Y
UL 1449 Type 1	380/220V	50 kA	3-phase Wye, 4-wire + ground	2CJC705220Y0000	OVRHT3D502203Y
UL 1449 Type 1	480/277V	50 kA	3-phase Wye, 4-wire + ground	2CJC705277Y0000	OVRHT3D502773Y
UL 1449 Type 1	240V	50 kA	3-phase Delta, 3-wire + ground	2CJC705240D0000	OVRHT3D502403D
UL 1449 Type 1	380V	50 kA	3-phase Delta, 3-wire + ground	2CJC705380D0000	OVRHT3D503803D
UL 1449 Type 1	480V	50 kA	3-phase Delta, 3-wire + ground	2CJC705480D0000	OVRHT3D504803D