Product Data Sheet 2CTC431052D0201
OVR T1-T2 N1 12.5-440s P TS QS
2CTB815710R3200

Type 1 + 2 SPD’s have characteristics of type 1 but also type 2, they are capable of discharging a very high lightning current (T1 10/350μs) and they have as well a low residual voltage (Up).

They are installed in the main distribution switchboard but also in sub-distribution board.

Because of their power, Type 1 + 2 SPD’s can let pass through a too high residual voltage, if the announced Up is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m, another level of coordination with OVR T2-T3, OVR T3 will be needed.

Thanks to the patented Safety Reserve system, you can extend the lifespan of the installation plan maintenance to reduce downtime risk.

- Patented QuickSafe ® technology
- Safety Reserve system
- Din rail mounting
- Pluggable
- Improved safety
- Back up protection up to 160 A Fuse or 125 A Mcb

Key characteristics

Protection mode: L-N/L-PE/N-PE
Number of protected lines: 2
Test class: IIB
Integrated thermal disconnector: Yes
End of life indicator: Yes
Safety reserve: Yes

Electrical characteristics

Nominal discharge current: In (8/20) kA 20
Maximal discharge current: InMax (8/20) kA 80
Impulse current: Iimp (10/350) kA 12.5
Maximal continuous operating voltage: Uc V 3400
Maximal continuous operating voltage d-c: Uc(d-c) V -
Type of current / frequency: Hz a.c. 47-63
Voltage protection level at In: Uc (L-PE) kV 2
Voltage protection level at In: Uc (L-N) kV 1.7
Voltage protection level at In: Uc (N-PE) kV 1.7
Short circuit withstand: Iec A 400
Total current: Itotal A 25
Follow current interrupted: Is A ≤ 10
Ground residual current: Ig μA ≤ 10
TOV withstand (L-N : 5s / N-PE : 200 ms): Ut V 381 / 1200
Voltage Combination Wave: Udc kV -

Required thermal back up protection
Curve B or C Circuit breaker: A 5125
2A - 250 A fuse: A - 5160

Dimensions: H x W x D mm 95x32x46
Wire range: Solid wire mm² 2.5 ... 25
Wire range: Stranded wire mm² 2.5 ... 25
Stripping length: mm 12.5
Packing quantities: piece Per 3

Miscellaneous characteristics

Maximal altitude: m 2000
Weight: g 350
Response time: ms 1.25
Fire resistance according to UL 94: V-0

Replacement cartridges

Phase / Product ID: OVR T1-T2 12.5-440s C QS 2CTB815710R5500
Neutral / Product ID: OVR T1-T2 N 50-440s C QS 2CTB815710R5500

- 40 to +80 °C
93 %
2.8 N.m

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IP 20

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