



FP T2F-300-20-2

Single-phase - In 20 kA - Uc 300 V - Up 1.5 kV

Reference: 24242

Location of use: Electrical panel

Earth connection: TT, TN-S

Protection mode: L-N, N-PE / L-PEN

IEC/EN category: Class 2+3 / Type 2+3

Compliance: IEC 61643-11:2011 / IEC 61643-11:2011+A11:2018

Integrated fuses



Class 2 + 3

Technical Datasheet

SPD configuration			Single-phase (1+1)
Nominal AC voltage (50/60 Hz)	Uo/Un		240 V
Maximum continuous operating voltage	Uc	(L-N) / (N-PE)	300 V / 305 V
Nominal discharge current (8/20 µs)	In	(L-N) / (N-PE)	20 kA / 40 kA
Maximum discharge current (8/20 µs)	I _{max}	(L-N) / (N-PE)	40 kA / 65 kA
Voltage protection level	Up	(L-N) / (N-PE)	1.5 kV
Open circuit voltage of combinaison wave generator (1.2/50 µs)	Uoc	(L-N) / (N-PE)	6 kV
Short circuit voltage of combinaison wave generator (8/20 µs)	I _{cw}	(L-N) / (N-PE)	3 kA
Follow current interrupt rating (AC)	I _{fi}	(L-N) / (N-PE)	100 A
Response time	tA	(L-N) / (N-PE)	<25 ns / <100 ns
Overcurrent protection (max)			Not required (integrated fuse)
Short-circuit current rating (AC)	I _{sc}	(L-N)	100 kA
TOV withstand 5 s	UT / Mode	(L-N)	337 V / Secure disconnection
TOV safe fail 200 ms	UT	(N-PE)	442 V
Operating temperature range	Ta		-40°C à +85°C
Permissible operating humidity	RH		5%...95%
Terminal screw torque	M _{max}		4.5 Nm
Conductor cross-section (max)			2 AWG (rigide) / 4 AWG (flexible)
			35 mm ² (rigide) / 25 mm ² (flexible)
Mounting			Rail DIN 35 mm, EN 60715
Degree of protection			IP 20 (integrated)
Housing material			Thermoplastic: extinction degree UL 94 V-0
Thermal protection			Yes
"Operational / Fault" indication			Green / Red
Remote contacts (RC)			Yes
RC switching capacity			AC : 250 V / 1 A, 125 V / 1 A; DC : 48 V / 0.5 A, 24 V / 0.5 A, 12 V / 0.5 A
RC conductor cross-section (max)			16 AWG (rigide) / 1.5 mm ² (rigide)



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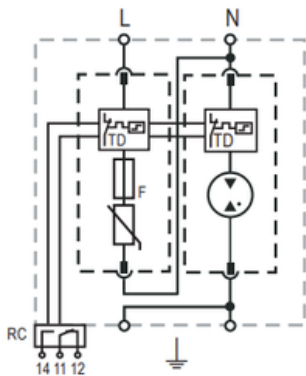
Location of use: Electrical panel
Earth connection: TT, TN-S
Protection mode: L-N, N-PE / L-PEN
IEC/EN category: Class 1+2 / Type 1+2
Compliance: IEC 61643-11:2011 / IEC 61643-11:2011+A11:2018
Integrated fuses



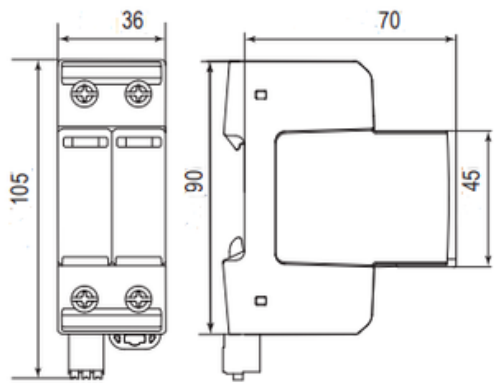
Class 2 + 3

Technical Datasheet

Internal design



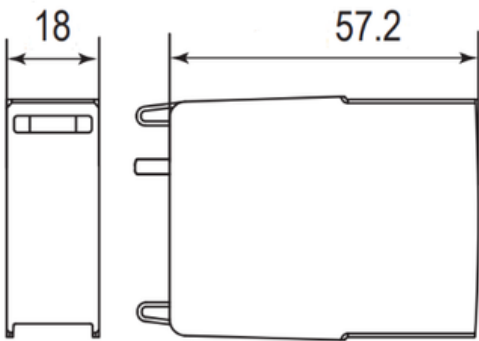
External design



Reference	24242
Name	FP T2F-300-20-2
Description	Single-phase - In 20 kA - Uc 300 V - Up 1.5 kV
Number of modules	2
Weight	266 g

Spare plug

Reference	24240	24290
Name	FP T2F-300-20	FP T2NF-305-40
Type	Phase	Neutral
Weight	69 g	69 g
Number of modules	1	1
Packaging dimensions	83 x 116 x 305 mm	83 x 116 x 305 cm



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