



Surge Protection Device (SPD)

FP T2-440-5

Class 2+3

Surge Protection Device Class 2+3

$U_c=440V$, $I_n=5kA$, $U_p=1.5kV$

Location of use : Sub-Distribution Boards

Network Systems : TN-S, IT/ TN-C, IT

Mode of protection : L-PE, N-PE/ L-PEN

Class : Class 2+3

Compliance : IEC 61643-11:2011

EN 61643-11:2012+A11:2018



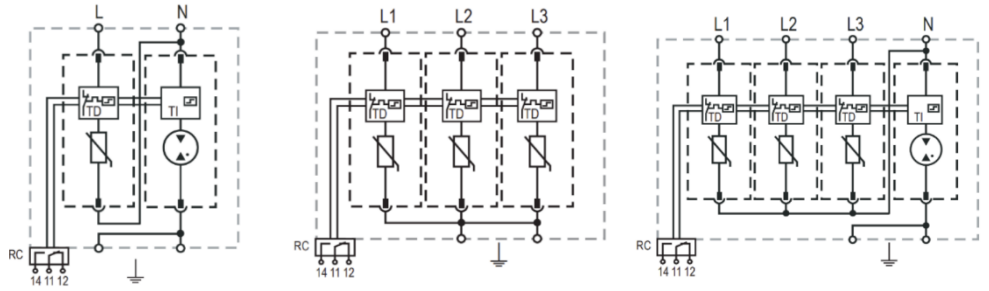
Technical Data

Reference		24217	24218	24219
Name		FP T2-440-5-2	FP T2-440-5-3	FP T2-440-5-4
Surge protector type		Single-phase	Three-phase	Three-phase+N
Nominal AC voltage (50/60Hz)	U_o/U_n		240V	
Maximum continuous operating voltage	(L-N)/(N-PE) U_c		440V	
Nominal discharge current (8/20 μ s)	(L-N)/(N-PE) I_n		5kA	
Maximum discharge current (8/20 μ s)	(L-N)/(N-PE) I_{max}		10kA	
Open circuit voltage of combination wave generator (1.2/50 μ s)	U_{oc}		6kV	
Short circuit current of combination wave generator (8/20 μ s)	I_{cw}		10kA	
Voltage protection level	(L-N)/(N-PE) U_p		1.5V	
Response time	(L-N)/(N-PE) t_A		< 25ns	
Overcurrent protection (max)			50 A gG	
Recommended fuse rating			50 A	
Short-circuit current rating (AC)	(L-N) I_{SCCR}		100kA	
TOV withstand 5s	(L-N) U_T		630V	
TOV 120min	(L-N) U_T		442V	
Operating temperature range	T_a		-40 °C to +85 °C	
Permissible operating humidity	RH		5%...95%	
Terminal screw torque	M_{max}		4.5Nm	
Conductor cross section (max)			2 AWG (solid, stranded) / 4 AWG (flexible) 35mm ² (solid, stranded) / 25 mm ² (flexible)	
Mounting			35 mm rail DIN, EN 60715	
Degree of protection			IP 20 (built-in)	
Housing material			Thermoplastic: extinguishing degree UL 94 V-0	
Thermal protection			Yes	
Operating state / fault indication			Green / Red	
Remote contacts (RC)			Yes	
RC switching capacity			AC: 250 V / 1A, 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 (solid) / 1.5 mm ² (solid)	

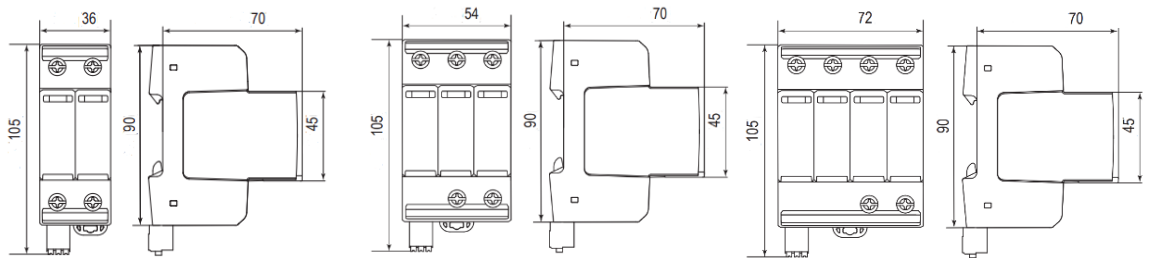
Internal Configuration

Legend

L	Line Conductor Terminal
N	Neutral Conductor Terminal
⏏	PE Conductor Terminal
RC	Remote Contacts Terminal
TD	Thermal Disconnecter
F	Thermal indicator



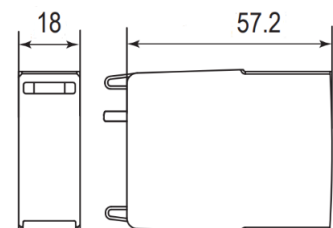
Dimension & Packaging



Reference	24217	24218	24219
Name	FP T2-440-5-2	FP T2-440-5-3	FP T2-440-5-4
Weight	275 g	404 g	486 g
Number of modules	2	3	4
Packaging dimensions	109 × 115 × 352 mm		

Spare Plug

Reference	24215
Name	T2-440-5
Type	Phase / Neutral
Weight	69 g
Number of modules	1
Packaging dimensions	109 × 116 × 352 mm



Disconnecter

Reference	24217	24218	24219
Name	FP T2-440-5-2	FP T2-440-5-3	FP T2-440-5-4
Disconnecter reference	20014	20017	20013
Fuse reference	80148		

