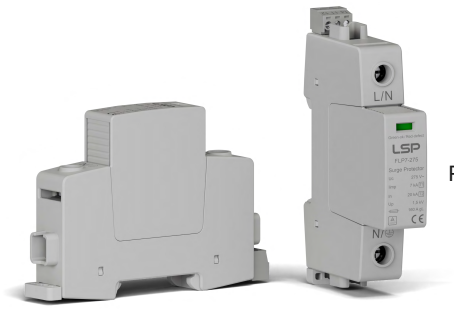
AC Surge Protective Device
FLP7-xxx/1(S)
Class I • Class II • Type 1 • Type 2

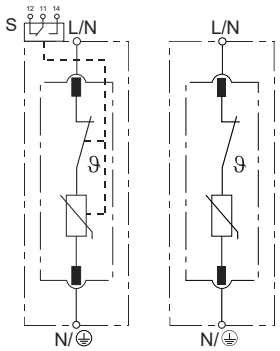


Location of Use: Main Distribution Boards
Network Systems: TN-S, TN-C, TT (only L-N)
Mode of Protection: L-PE, N-PE (only TN-S), L-PEN, L-N
Surge Ratings: I_{imp} = 7 kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/1(S)		75	150	275	320	385	440
IEC Electrical							
Nominal AC Voltage (50/60 Hz)	U_o / U_n	60 V	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage (AC)	U_C	75 V	150 V	275 V	320 V	385 V	440 V
Nominal Discharge Current (8/20 µs)	I_n	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Maximum Discharge Current (8/20 µs)	I_{max}	50 kA	50 kA	50 kA	50 kA	50 kA	50 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	7 kA	7kA	7 kA	7 kA	7 kA	7 kA
Specific Energy	W/R	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	10 kJ/Ω	10 kJ/Ω
Charge	Q	3.5 As	3.5 As	3.5 As	3.5 As	2.5 As	2.5 As
Voltage Protection Level	U_p	400 V	1000 V	1500 V	1600 V	1800 V	2000 V
Residual Current at U_c	I_{PE}	< 0.5 mA					
Response Time	t_A	< 25 ns					
Max. Backup Fuse		160 A gL / gG					
Short-Circuit Current Rating (AC)	I_{SCCR}	25 kA					
TOV Withstand 5 s	U_T	114 V	180 V	335 V	335 V	335 V	580 V
TOV 120 min	U_T	114 V	230 V	440 V	440 V	440 V	765 V
	mode	Withstand	Safe Fail	Safe Fail	Safe Fail	Safe Fail	Safe Fail
Number of Ports		1					
Mechanical & Environmental							
Operating Temperature Range	T_a	-40 ºF to +158 ºF [-40 ºC to +70 ºC]					
Permissible Operating Humidity	RH	5% to 95%					
Atmospheric Pressure and Altitude		80 kPa to 106 kPa / -500 m to 2000 m					
Terminal Screw Torque	M_{max}	39.9 lbf·in [4.5 Nm]					
Conductor Cross Section (max.)		2 AWG (Solid, Stranded) / 4 AWG (Flexible)					
		35 mm² (Solid, Stranded) / 25 mm² (Flexible)					
Mounting		35 mm DIN Rail, EN 60715					
Degree of Protection		IP20 (built-in)					
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0					
Thermal Protection		Yes					
Operating State / Fault Indication		Green ok / Red defect					
Remote Contacts (RC)		Optional					
RC Switching Capacity		AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A					
RC Conductor Cross Section (max.)		16 AWG (Solid) / 1.5 mm² (Solid)					
Order Information							
Ordering Code		75	150	275	320	385	440
FLP7-xxx/1		0707511	0715011	0727511	0732011	0738511	0744011
FLP7-xxx/1S (with remote contacts)		0707512	0715012	0727512	0732012	0738512	0744012
FLP7-xxx/0 (spare modules)		0707501	0715001	0727501	0732001	0738501	0744001

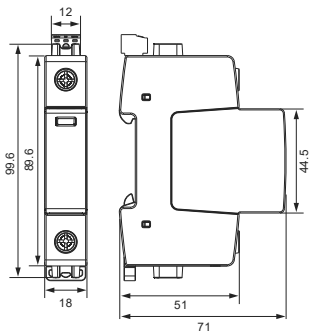
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

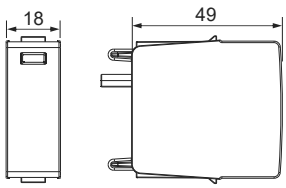
Dimensions & Packaging



[mm]

Complete Unit						
FLP7-xxx/1(S)	75	150	275	320	385	440
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	96 Units					

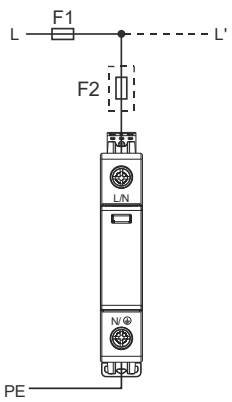
Spare Plug



Single Unit						
FLP7-xxx/0	75	150	275	320	385	440
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	120 Units					

Connection Diagram

TN-S, TN-C, TT (Single-phase, 1+0)



AC Surge Protective Device

FLP7-xxx/2(S)

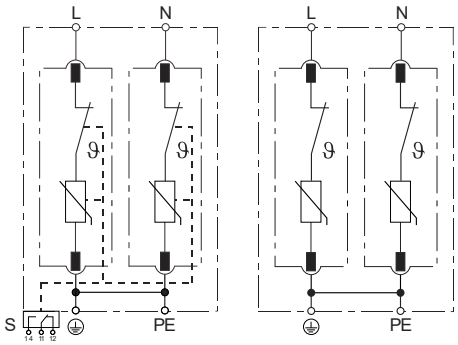
Class I • Class II • Type 1 • Type 2

Location of Use: Main Distribution Boards
Network Systems: TN-S
Mode of Protection: L-PE, N-PE
Surge Ratings: I_{imp} = 7 kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/2(S)		75	150	275	320	385	440
IEC Electrical							
Nominal AC Voltage (50/60 Hz)	U_o / U_n	60 V	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage (AC)	U_C	75 V	150 V	275 V	320 V	385 V	440 V
Nominal Discharge Current (8/20 µs)	I_n	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Maximum Discharge Current (8/20 µs)	I_{max}	50 kA	50 kA	50 kA	50 kA	50 kA	50 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	7 kA	7kA	7 kA	7 kA	7 kA	7 kA
Specific Energy	W/R	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	10 kJ/Ω	10 kJ/Ω
Charge	Q	3.5 As	3.5 As	3.5 As	3.5 As	2.5 As	2.5 As
Voltage Protection Level	U_p	400 V	1000 V	1500 V	1600 V	1800 V	2000 V
Residual Current at U_c	I_{PE}	< 0.5 mA					
Response Time	t_A	< 25 ns					
Max. Backup Fuse		160 A gL / gG					
Short-Circuit Current Rating (AC)	I_{SCCR}	25 kA					
TOV Withstand 5 s	U_T	114 V	180 V	335 V	335 V	335 V	580 V
TOV 120 min	U_T	114 V	230 V	440 V	440 V	440 V	765 V
	mode	Withstand	Safe Fail	Safe Fail	Safe Fail	Safe Fail	Safe Fail
Number of Ports		1					
Mechanical & Environmental							
Operating Temperature Range	T_a	-40 ºF to +158 ºF [-40 ºC to +70 ºC]					
Permissible Operating Humidity	RH	5% to 95%					
Atmospheric Pressure and Altitude		80 kPa to 106 kPa / -500 m to 2000 m					
Terminal Screw Torque	M_{max}	39.9 lbf·in [4.5 Nm]					
Conductor Cross Section (max.)		2 AWG (Solid, Stranded) / 4 AWG (Flexible)					
		35 mm² (Solid, Stranded) / 25 mm² (Flexible)					
Mounting		35 mm DIN Rail, EN 60715					
Degree of Protection		IP20 (built-in)					
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0					
Thermal Protection		Yes					
Operating State / Fault Indication		Green ok / Red defect					
Remote Contacts (RC)		Optional					
RC Switching Capacity		AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A					
RC Conductor Cross Section (max.)		16 AWG (Solid) / 1.5 mm² (Solid)					
Order Information							
Ordering Code		75	150	275	320	385	440
FLP7-xxx/2		0707521	0715021	0727521	0732021	0738521	0744021
FLP7-xxx/2S (with remote contacts)		0707522	0715022	0727522	0732022	0738522	0744022
FLP7-xxx/0 (spare modules)		0707501	0715001	0727501	0732001	0738501	0744001

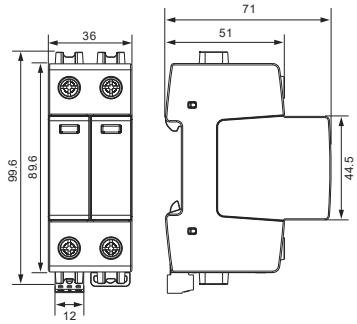
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

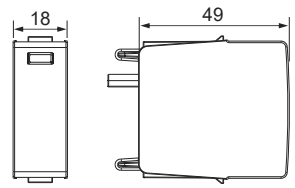
Dimensions & Packaging



[mm]

Complete Unit						
FLP7-xxx/2(S)	75	150	275	320	385	440
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	48 Units					

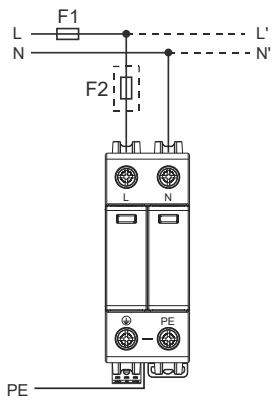
Spare Plug



Single Unit						
FLP7-xxx/0	75	150	275	320	385	440
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	120 Units					

Connection Diagram

TN-S (Single-phase, 2+0)



AC Surge Protective Device
FLP7-xxx/3(S)
Class I • Class II • Type 1 • Type 2

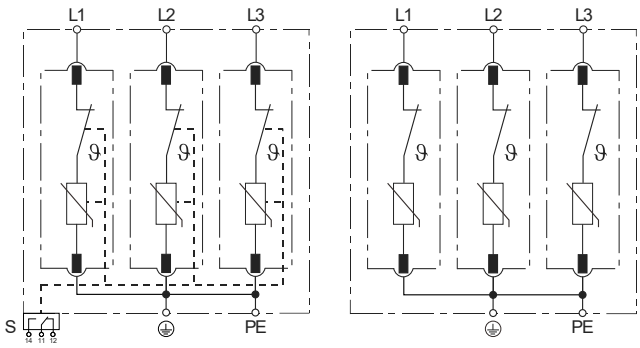
Location of Use: Main Distribution Boards
Network Systems: TN-C
Mode of Protection: L-PEN
Surge Ratings: I_{imp} = 7 kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/3(S)		150	275	320	385	440
IEC Electrical						
Nominal AC Voltage (50/60 Hz)	U_o / U_n	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage (AC)	U_C	150 V	275 V	320 V	385 V	440 V
Nominal Discharge Current (8/20 µs)	I_n	20 kA	20 kA	20 kA	20 kA	20 kA
Maximum Discharge Current (8/20 µs)	I_{max}	50 kA	50 kA	50 kA	50 kA	50 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	7 kA	7 kA	7 kA	7 kA	7 kA
Specific Energy	W/R	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	10 kJ/Ω	10 kJ/Ω
Charge	Q	3.5 As	3.5 As	3.5 As	2.5 As	2.5 As
Voltage Protection Level	U_p	1000 V	1500 V	1600 V	1800 V	2000 V
Residual Current at U_c	I_{PE}			< 0.5 mA		
Response Time	t_A			< 25 ns		
Max. Backup Fuse				160 A gL / gG		
Short-Circuit Current Rating (AC)	I_{SCCR}			25 kA		
TOV Withstand 5 s	U_T	180 V	335 V	335 V	335 V	580 V
TOV 120 min	U_T	230 V	440 V	440 V	440 V	765 V
	mode			Safe Fail		
Number of Ports				1		
Mechanical & Environmental						
Operating Temperature Range	T_a			-40 °F to +158 °F [-40 °C to +70 °C]		
Permissible Operating Humidity	RH			5% to 95%		
Atmospheric Pressure and Altitude				80 kPa to 106 kPa / -500 m to 2000 m		
Terminal Screw Torque	M_{max}			39.9 lbf·in [4.5 Nm]		
Conductor Cross Section (max.)				2 AWG (Solid, Stranded) / 4 AWG (Flexible)		
				35 mm² (Solid, Stranded) / 25 mm² (Flexible)		
Mounting				35 mm DIN Rail, EN 60715		
Degree of Protection				IP20 (built-in)		
Housing Material				Thermoplastic: Extinguishing Degree UL 94 V-0		
Thermal Protection				Yes		
Operating State / Fault Indication				Green ok / Red defect		
Remote Contacts (RC)				Optional		
RC Switching Capacity				AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A		
RC Conductor Cross Section (max.)				16 AWG (Solid) / 1.5 mm² (Solid)		

Order Information	150	275	320	385	440
Ordering Code					
FLP7-xxx/3	0715031	0727531	0732031	0738531	0744031
FLP7-xxx/3S (with remote contacts)	0715032	0727532	0732032	0738532	0744032
FLP7-xxx/0 (spare modules)	0715001	0727501	0732001	0738501	0744001

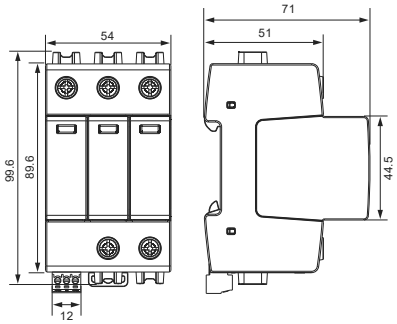
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

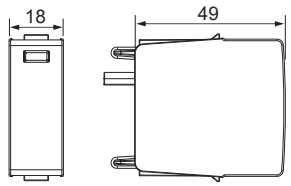
Dimensions & Packaging



[mm]

Complete Unit					
FLP7-xxx/3(S)	150	275	320	385	440
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	30 Units				

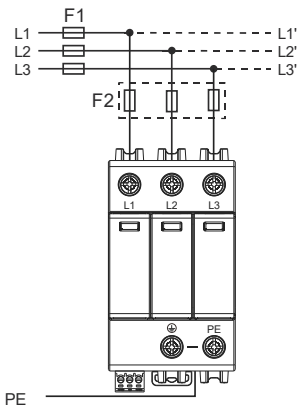
Spare Plug



Single Unit					
FLP7-xxx/0	150	275	320	385	440
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	120 Units				

Connection Diagram

TN-C (Three-phase, 3+0)



AC Surge Protective Device
FLP7-xxx/4(S)
Class I • Class II • Type 1 • Type 2

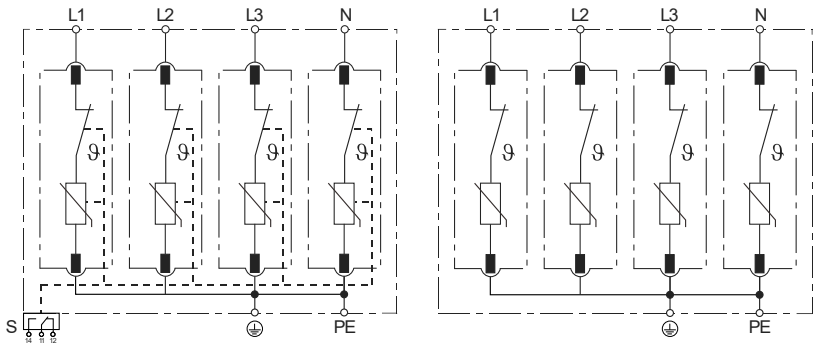
Location of Use: Main Distribution Boards
Network Systems: TN-S
Mode of Protection: L-PE, N-PE
Surge Ratings: I_{imp} = 7 kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/4(S)		150	275	320	385	440
IEC Electrical						
Nominal AC Voltage (50/60 Hz)	U_o / U_n	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage (AC)	U_C	150 V	275 V	320 V	385 V	440 V
Nominal Discharge Current (8/20 µs)	I_n	20 kA	20 kA	20 kA	20 kA	20 kA
Maximum Discharge Current (8/20 µs)	I_{max}	50 kA	50 kA	50 kA	50 kA	50 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	7 kA	7 kA	7 kA	7 kA	7 kA
Specific Energy	W/R	12 kJ/Ω	12 kJ/Ω	12 kJ/Ω	10 kJ/Ω	10 kJ/Ω
Charge	Q	3.5 As	3.5 As	3.5 As	2.5 As	2.5 As
Voltage Protection Level	U_p	1000 V	1500 V	1600 V	1800 V	2000 V
Residual Current at U_c	I_{PE}			< 0.5 mA		
Response Time	t_A			< 25 ns		
Max. Backup Fuse				160 A gL / gG		
Short-Circuit Current Rating (AC)	I_{SCCR}			25 kA		
TOV Withstand 5 s	U_T	180 V	335 V	335 V	335 V	580 V
TOV 120 min	U_T	230 V	440 V	440 V	440 V	765 V
	mode			Safe Fail		
Number of Ports				1		
Mechanical & Environmental						
Operating Temperature Range	T_a			-40 °F to +158 °F [-40 °C to +70 °C]		
Permissible Operating Humidity	RH			5% to 95%		
Atmospheric Pressure and Altitude				80 kPa to 106 kPa / -500 m to 2000 m		
Terminal Screw Torque	M_{max}			39.9 lbf·in [4.5 Nm]		
Conductor Cross Section (max.)				2 AWG (Solid, Stranded) / 4 AWG (Flexible)		
				35 mm² (Solid, Stranded) / 25 mm² (Flexible)		
Mounting				35 mm DIN Rail, EN 60715		
Degree of Protection				IP20 (built-in)		
Housing Material				Thermoplastic: Extinguishing Degree UL 94 V-0		
Thermal Protection				Yes		
Operating State / Fault Indication				Green ok / Red defect		
Remote Contacts (RC)				Optional		
RC Switching Capacity				AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A		
RC Conductor Cross Section (max.)				16 AWG (Solid) / 1.5 mm² (Solid)		

Order Information	150	275	320	385	440
Ordering Code					
FLP7-xxx/4	0715041	0727541	0732041	0738541	0744041
FLP7-xxx/4S (with remote contacts)	0715042	0727542	0732042	0738542	0744042
FLP7-xxx/0 (spare modules)	0715001	0727501	0732001	0738501	0744001

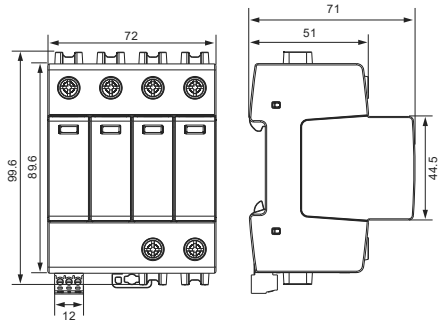
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

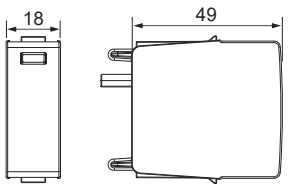
Dimensions & Packaging



[mm]

Complete Unit					
FLP7-xxx/4(S)	150	275	320	385	440
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	24 Units				

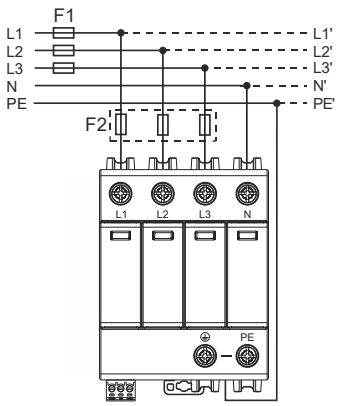
Spare Plug



Single Unit					
FLP7-xxx/0	150	275	320	385	440
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	120 Units				

Connection Diagram

TN-S (Three-phase, 4+0)



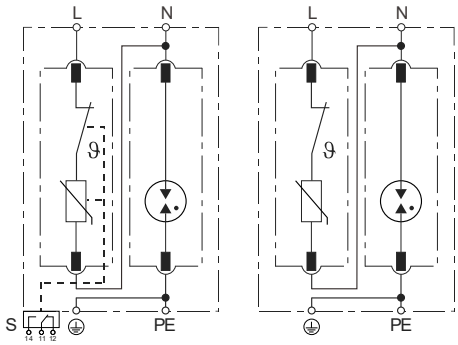
AC Surge Protective Device
FLP7-xxx/1(S)+1
Class I • Class II • Type 1 • Type 2

Location of Use: Main Distribution Boards
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE
Surge Ratings: I_{imp} = 7 kA / 15 kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV and GDT
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/1(S)+1			75	150	275	320	385	440
IEC Electrical								
Nominal AC Voltage (50/60 Hz)		U_o / U_n	60 V	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage	(L-N)	U_C	75 V	150 V	275 V	320 V	385 V	440 V
	(N-PE)	U_C	255 V					
Nominal Discharge Current (8/20 µs)	(L-N) / (N-PE)	I_n	20 kA / 20 kA					
Maximum Discharge Current (8/20 µs)	(L-N) / (N-PE)	I_{max}	50 kA / 50 kA					
Impulse Discharge Current (10/350 µs)	(L-N) / (N-PE)	I_{imp}	7 kA / 15 kA					
Specific Energy	(L-N) / (N-PE)	W/R	12 kJ/Ω / 46 kJ/Ω					
Charge	(L-N) / (N-PE)	Q	3.5 As / 7.5 As					
Voltage Protection Level	(L-N) / (N-PE)	U_p	0.7 kV / 1.5 kV	1.0 kV / 1.5 kV	1.5 kV / 1.5 kV	1.6 kV / 1.5 kV	1.8 kV / 1.5 kV	2.0 kV / 1.5 kV
Follow Current Interrupt Rating	(N-PE)	I_{fi}	100 A_{RMS}					
Residual Current at U_C		I_{PE}	none					
Response Time	(L-N) / (N-PE)	t_A	< 25 ns / < 100 ns					
Max. Backup Fuse			160 A gL / gG					
Short-Circuit Current Rating (AC)	(L-N)	I_{SCCR}	25 kA					
TOV Withstand 5 s	(L-N)	U_T	114 V	180 V	335 V	335 V	335 V	580 V
TOV 120 min	(L-N)	U_T	114 V	230 V	440 V	440 V	440 V	765 V
		mode	Withstand	Safe Fail	Safe Fail	Safe Fail	Safe Fail	Safe Fail
TOV Withstand 200 ms	(N-PE)	U_T	1200 V					
Number of Ports			1					
Mechanical & Environmental								
Operating Temperature Range		T_a	-40 °F to +158 °F [-40 °C to +70 °C]					
Permissible Operating Humidity		RH	5% to 95%					
Atmospheric Pressure and Altitude			80 kPa to 106 kPa / -500 m to 2000 m					
Terminal Screw Torque		M_{max}	39.9 lbf·in [4.5 Nm]					
Conductor Cross Section (max.)			2 AWG (Solid, Stranded) / 4 AWG (Flexible)					
			35 mm² (Solid, Stranded) / 25 mm² (Flexible)					
Mounting			35 mm DIN Rail, EN 60715					
Degree of Protection			IP20 (built-in)					
Housing Material			Thermoplastic: Extinguishing Degree UL 94 V-0					
Thermal Protection			Yes					
Operating State / Fault Indication			Green ok / Red defect					
Remote Contacts (RC)			Optional					
RC Switching Capacity			AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A					
RC Conductor Cross Section (max.)			16 AWG (Solid) / 1.5 mm² (Solid)					
Order Information								
Ordering Code			75	150	275	320	385	440
FLP7-xxx/1+1			1707513	0715013	0727513	0732013	0738513	0744013
FLP7-xxx/1S+1 (with remote contacts)			1707514	0715014	0727514	0732014	0738514	0744014
FLP7-xxx/0 (spare modules)			0707501	0715001	0727501	0732001	0738501	0744001
FLP15-255/0 (spare modules)			1525502	1525501	1525501	1525501	1525501	1525501

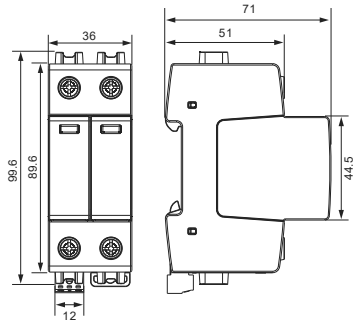
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

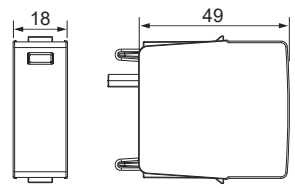
Dimensions & Packaging



[mm]

Complete Unit						
FLP7-xxx/1(S)+1	75	150	275	320	385	440
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	48 Units					

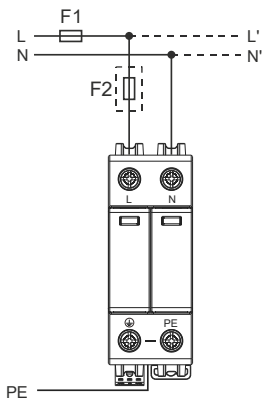
Spare Plug



Single Unit						
FLP7-xxx/0	75	150	275	320	385	440
FLP15-255/0	255					
DIN 43880 Dimension	1 CTN					
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]					
Standard Order Quantity	120 Units					

Connection Diagram

TN-S, TT (Single-phase, 1+1)



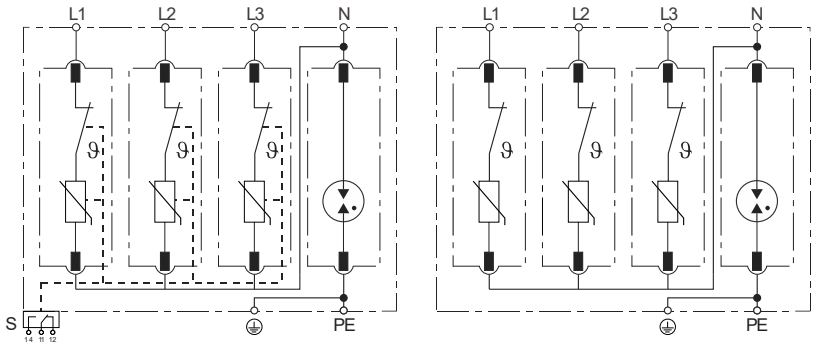
AC Surge Protective Device
FLP7-xxx/3(S)+1
Class I • Class II • Type 1 • Type 2

Location of Use: Main Distribution Boards
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE
Surge Ratings: I_{imp} = 7 kA / 25kA (10/350 µs)
I_n = 20 kA (8/20 µs)
IEC/EN Category: Class I+II / Type 1+2
Protective Elements: High Energy MOV and GDT
Housing: Pluggable Design
Compliance: IEC 61643-11:2011
EN 61643-11:2012

Technical Data

FLP7-xxx/3(S)+1			150	275	320	385	440
IEC Electrical							
Nominal AC Voltage (50/60 Hz)		U_o / U_n	120 V	230 V	230 V	230 V	400 V
Maximum Continuous Operating Voltage	(L-N)	U_C	150 V	275 V	320 V	385 V	440 V
	(N-PE)	U_C			255 V		
Nominal Discharge Current (8/20 µs)	(L-N) / (N-PE)	I_n			20 kA / 20 kA		
Maximum Discharge Current (8/20 µs)	(L-N) / (N-PE)	I_{max}			50 kA / 50 kA		
Impulse Discharge Current (10/350 µs)	(L-N) / (N-PE)	I_{imp}			7 kA / 25 kA		
Specific Energy	(L-N) / (N-PE)	W/R			12 kJ/Ω / 156 kJ/Ω		
Charge	(L-N) / (N-PE)	Q			3.5 As / 12.5 As		
Voltage Protection Level	(L-N) / (N-PE)	U_p	1.0 kV / 1.5 kV	1.5 kV / 1.5 kV	1.6 kV / 1.5 kV	1.8 kV / 1.5 kV	2.0 kV / 1.5 kV
Follow Current Interrupt Rating	(N-PE)	I_{fi}			100 A_{RMS}		
Response Time		t_A			< 25 ns / < 100 ns		
Max. Backup Fuse	(L-N) / (N-PE)				160 A gL / gG		
Short-Circuit Current Rating (AC)		I_{SCCR}			25 kA		
TOV Withstand 5 s	(L-N)	U_T	180 V	335 V	335 V	335 V	580 V
TOV 120 min	(L-N)	U_T	230 V	440 V	440 V	440 V	765 V
	(L-N)	mode			Safe Fail		
TOV Withstand 200 ms		U_T			1200 V		
Number of Ports	(N-PE)				1		
Mechanical & Environmental							
Operating Temperature Range		T_a			-40 ºF to +158 ºF [-40 ºC to +70 ºC]		
Permissible Operating Humidity		RH			5% to 95%		
Atmospheric Pressure and Altitude					80 kPa to 106 kPa / -500 m to 2000 m		
Terminal Screw Torque		M_{max}			39.9 lbf·in [4.5 Nm]		
Conductor Cross Section (max.)					2 AWG (Solid, Stranded) / 4 AWG (Flexible)		
					35 mm² (Solid, Stranded) / 25 mm² (Flexible)		
Mounting					35 mm DIN Rail, EN 60715		
Degree of Protection					IP20 (built-in)		
Housing Material					Thermoplastic: Extinguishing Degree UL 94 V-0		
Thermal Protection					Yes		
Operating State / Fault Indication					Green ok / Red defect		
Remote Contacts (RC)					Optional		
RC Switching Capacity					AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A		
RC Conductor Cross Section (max.)					16 AWG (Solid) / 1.5 mm² (Solid)		
Order Information							
Ordering Code			150	275	320	385	440
FLP7-xxx/3+1			0715033	0727533	0732033	0738533	0744033
FLP7-xxx/3S+1 (with remote contacts)			0715034	0727534	0732034	0738534	0744034
FLP7-xxx/0 (spare modules)			0715001	0727501	0732001	0738501	0744001
FLP25-255/0 (spare modules)			2525501	2525501	2525501	2525501	2525501

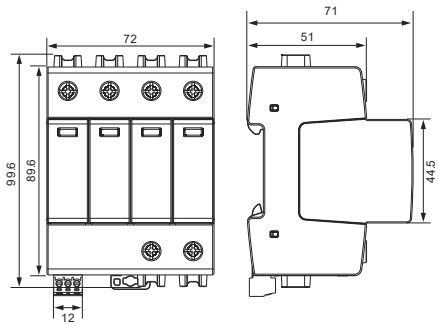
Internal Configuration



Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE/G Conductor Terminal
- S Signalling Contacts Optional

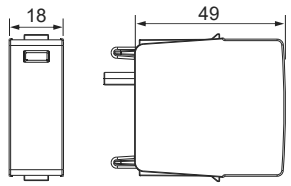
Dimensions & Packaging



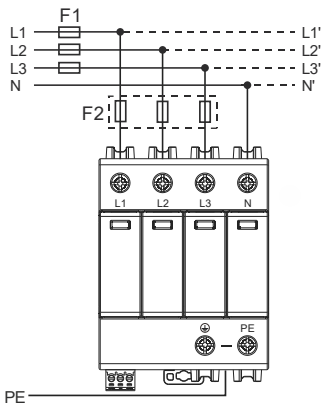
[mm]

Complete Unit					
FLP7-xxx/3(S)	150	275	320	385	440
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	24 Units				

Spare Plug



Single Unit					
FLP7-xxx/0	150	275	320	385	440
FLP25-255/0	255				
DIN 43880 Dimension	1 CTN				
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]				
Standard Order Quantity	120 Units				

Connection Diagram

TN-S, TT (Three-phase, 3+1)