

DATASHEET

64357

Lightning and Overvoltage Protection with Integrated Fuse

ETITEC GSMF T123 275/25 1+0 RC

Class I • Class II • Class III • Type 1 • Type 2 • Type 3



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
 IEC/EN Category: Class I+II+III, Type 1+2+3
 Housing: Pluggable Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012+A11:2018

**Technical Data****ETITEC GSMF T123 275/25 1+0 RC****275****IEC Electrical**

Nominal AC Voltage (50/60Hz)	U_o / U_n	240 V
Maximum Continuous Operating Voltage (AC)	U_c	275 V
Nominal Discharge Current (8/20 μ s)	I_n	25 kA
Maximum Discharge Current (8/20 μ s)	I_{max}	65 kA
Impulse Discharge Current (10/350 μ s)	I_{imp}	25 kA
Specific Energy	W/R	156.2 kJ/ Ω
Charge	Q	12.5 As
Open Circuit Voltage of Combination Wave Generator (1.2/50 μ s)	U_{oc}	6 kV
Short Circuit Current of Combination Wave Generator (8/20 μ s)	I_{cw}	3 kA
Voltage Protection Level	U_p	1500 V
Response Time	t_A	< 100 ns
Overvoltage Category		III
Maximum Backup fuse, if required		Not Required
Short-Circuit Current Rating (AC)	I_{SCCR}	100 kA
Follow Current Interrupt Rating (AC)	I_{fi}	100 kA
TOV Withstand 120min	U_T	442 V
Number of Ports		1

Additional Electrical Parameters - Standard (Tests performed within Raycap testing laboratory only)

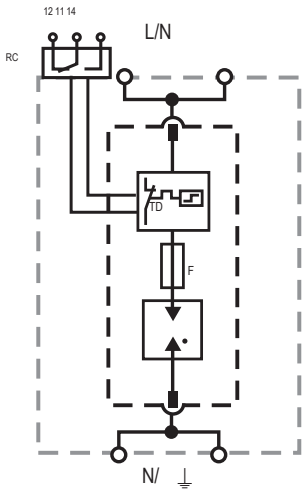
Residual Voltage at 5 kA (8/20 μ s)	U_{res}	1200 V
Minimum Backup fuse, if required		Not required

Mechanical & Environmental

Operating Temperature Range	T_a	-40 °F to +185 °F [-40 °C to +85 °C]
Permissible Operating Humidity	RH	5%...95%
Pollution Degree		2
Altitude		6562 ft [2000 m]
Terminal Screw Torque	M_{max}	40 lbf-in [4.5 Nm]
Conductor Cross Section (max)		2 AWG (Solid, Stranded) / 4 AWG (Flexible) 35 mm ² (Solid, Stranded) / 25 mm ² (Flexible)
Mounting		35 mm DIN Rail, 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 Flag / Not Green Flag
Remote Contacts (RC)		Optional
RC Switching Capacity		AC: 250V/1A, 125V/1A; DC: 48V/0.5A, 24V/0.5A, 12V/0.5A
RC Conductor Cross Section (max)		16 AWG (Solid) / 1.5 mm ² (Solid)
Overvoltage Category		III

Internal Configuration

- Legend**
- L Line Conductor Terminal
 - N Neutral Conductor Terminal
 - ⏏ PE Conductor Terminal
 - RC Remote Contacts Terminal (Optional)
 - TD Thermal Disconnecter
 - F Integrated Surge Adapted Backup Fuse



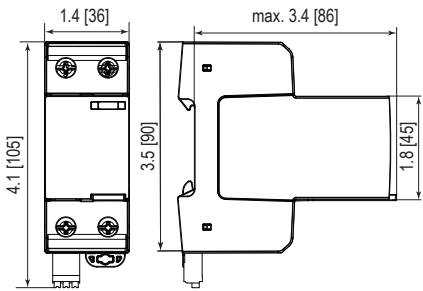
ETITEC GSMF T123 275/25 1+0 RC

Order Information

Order Code	275
ETITEC GSMF T123 275/25 1+0 RC	64357
ETITEC GSMF Typ 1+2+3 Spare Plug	64355

Dimensions & Packaging

inches [mm]



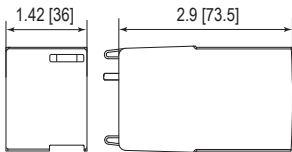
Complete Unit Dimensions & Packaging

ETITEC GSMF T123 275/25 1+0 RC

Weight	pounds [grams]	.736 [334]
DIN 43880 Dimension	2 TE / 1.42" [36 mm]	
Packaging Dimensions (HxWxL)	4.3 x 4.5 x 13.8" [109 x 115 x 352 mm]	
Standard Order Quantity	7 Units	

Spare Plug

64355



Single Unit

ETITEC GSMF Typ 1+2+3

275

Weight	pounds [grams]	.427 [194]
DIN 43880 Dimension	2 TE / 1.42" [36 mm]	
Packaging Dimensions (HxWxL)	4.3 x 4.5 x 13.8" [109 x 115 x 352 mm]	
Standard Order Quantity	14 Units	