

Surge arrester ETITEC group D T3

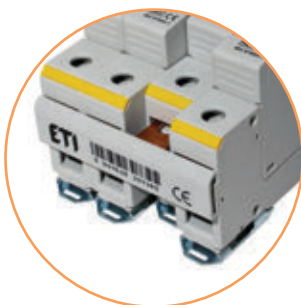
EN/IEC/VDE: T3 /III/D



ETITEC D T3 275/3 1+0 RC



MODUL ETITEC D T3 275/3



IZ16/1F/3/ETITEC



IZ16/1F/3/ETITEC

Description

ETITEC D T3 is a surge arrester for indoor application. Group D surge protection is in accordance with VDE class D. This protection corresponds to IEC category III, EN Type 3. The protection should be installed immediately before the protected load. This is protection against indirect lightning strikes. In case of permanent arrester damage, thermal protection is activated, which signalizes faulty arrester. Consequently only the SPD module has to be replaced, while base unit remains fixed on DIN rail.

Advantages:

- optical indication of faulty device (green ok, red false)
- remote signalisation (RC version only)
- DIN rail mounting (EN 60715)
- high discharge currents
- high degree of protection
- varistor is the protective element
- metal snapper, new way of mounting on DIN rail (easier, quicker)
- round-off shape compatible with ETIMAT
- modular design
- IEC/EN 61643-11
- RoHS compliant
- connection up to 35mm²

New!

ETITEC D T3

Type	Code No.	U_{oc}/I_n (8/20) [kA]	U_c [V AC]	Weight [g]	Packaging [pcs]
ETITEC D T3 275/3 1+0	002440417	10kV/3kA	275	130	1/12
ETITEC D T3 275/3 1+0 RC	002440418	10kV/3kA	275	135	1/12
ETITEC D T3 440/3 1+0	002440419	10kV/3kA	440	132	1/12
ETITEC D T3 440/3 1+0 RC	002440420	10kV/3kA	440	137	1/12
MODUL ETITEC D T3 275/3	002440421	10kV/3kA	275	58	12
MODUL ETITEC D T3 440/3	002440422	10kV/3kA	440	60	12

* RC -> remote signalisation
Note: In - defined per single pole

Connection terminals

Type	code No.	weight [g]	packaging [pcs]	Connection terminals for
IZ16/1F/2/ETITEC	002921081	9	50/600	2 modules connection
IZ16/1F/3/ETITEC	002921082	15	50/600	3 modules connection
IZ16/1F/4/ETITEC	002921083	20	50/600	4 modules connection

For module width 17,8 mm.

Application: Connection terminals are designed to connect modular surge ETITEC for multi-module assemblies (multi). Connections are made at the terminals ground - PE

Surge arrester ETITEC group D T3

EN/IEC/VDE: T3/III/D

ETITEC D T3		
Type	275/3	440/3
In accordance with	IEC/EN 61643-11	
Category IEC/EN/VDE	III/T3/D	
Max. continuous operating voltage (AC) U_c	275	440
Nominal AC voltage U_o	230 V 50-60 Hz	
TOV immunity U_T (AC)	335 V/5s withstand	335 V/5s withstand
	440 V/120 min safe disconnection	440 V/120 min withstand
U_{oc}	10 kV	
Max. discharge current (8/20) I_{max}	10 kA	
Charge		
Protection level U_p - at I_n (8/20)	<1,4 kV	<1,6 kV
Follow current I_n	x	
Response time t_A	< 25 ns	
Residual current I_{pe} at U_{ref}	< 0,3 mA	
Thermal decoupler	✓	
Torque	3,0 Nm	
Back-up fuse (if mains > 63A)	125 A gG	
Short-circuit current rating I_{SCCR}	25 kA / 50 Hz	
Temperature range	- 40°C ... +70°C	
Cross-section of connection wire	min. 6mm ² , max. single strand 35mm ² , multi-strand 25mm ²	
Mounting	indoors on top hat fixing rail 35 mm (EN 60715)	
Degree of protection	IP 20	
Casing material	thermoplastic; extinguishing degree UL 94 V-0	
Dimensions	1 TE	
Indication of disconnector operation	red flag	
Permissible humidity	5% - 95%	
Additional data for ETITEC D-RC		
Remote signalisation (RC)	✓	
Switching capability (RC)	AC: 250V/0.5A; 125V/3A	
Cross-section of connection wire (RC)	max. 1.5 mm ²	
Torque (RC)	0,25 Nm	

