

Surge arrester ETITEC group B T12

EN/IEC/VDE: T1,T2 /I,II/B,C



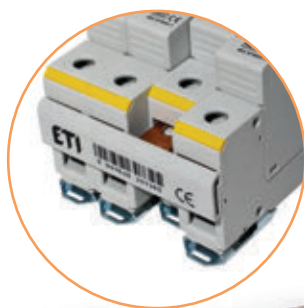
ETITEC B T12 275/7 1+0 ETITEC B T12 275/7 1+0 RC



ETITEC B T12 275/7 4+0



MODUL ETITEC B T12 275/7



IZ16/1F/2/ETITEC

IZ16/1F/3/ETITEC



IZ16/1F/3/ETITEC

Description

ETITEC B is surge arrester for indoor application. Group B overvoltage protection is in accordance with VDE class B, C. This protection corresponds to IEC category I, II and EN Type 1, Type 2. The protection is made on the main distribution box, as the first level of protection against lightning strikes, partial direct, indirect atmospheric discharges and induced surges. 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.

* Note: First number of designation 1+0, 2+0, etc. indicates the number of (MOV) varistors or number of poles.

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 DINrail (easier, quicker)
- round-off shape compatible with ETIMAT
- modular design
- IEC/EN 61643-11
- RoHS compliant
- connection up to 35mm²

New!

ETITEC B T12

Type	Code No.	I _{imp} (10/350) [kA]	I _n /I _{max} (8/20) [kA]	U _c [V AC]	Weight [g]	Packaging [pcs]
ETITEC B T12 275/7 1+0	002440336	7	25/50	275 VAC	128	1/12
ETITEC B T12 275/7 1+0 RC	002440337	7	25/50	275 VAC	133	1/12
ETITEC B T12 275/7 2+0	002440338	7	25/50	275 VAC	244	1/7
ETITEC B T12 275/7 2+0 RC	002440339	7	25/50	275 VAC	249	1/7
ETITEC B T12 275/7 3+0	002440340	7	25/50	275 VAC	352	1/5
ETITEC B T12 275/7 3+0 RC	002440341	7	25/50	275 VAC	357	1/5
ETITEC B T12 275/7 4+0	002440342	7	25/50	275 VAC	456	1/3
ETITEC B T12 275/7 4+0 RC	002440343	7	25/50	275 VAC	471	1/3
MODUL ETITEC B T12 275/7	002440363	7	25/50	275 VAC	58	12

* RC-> remote signalisation

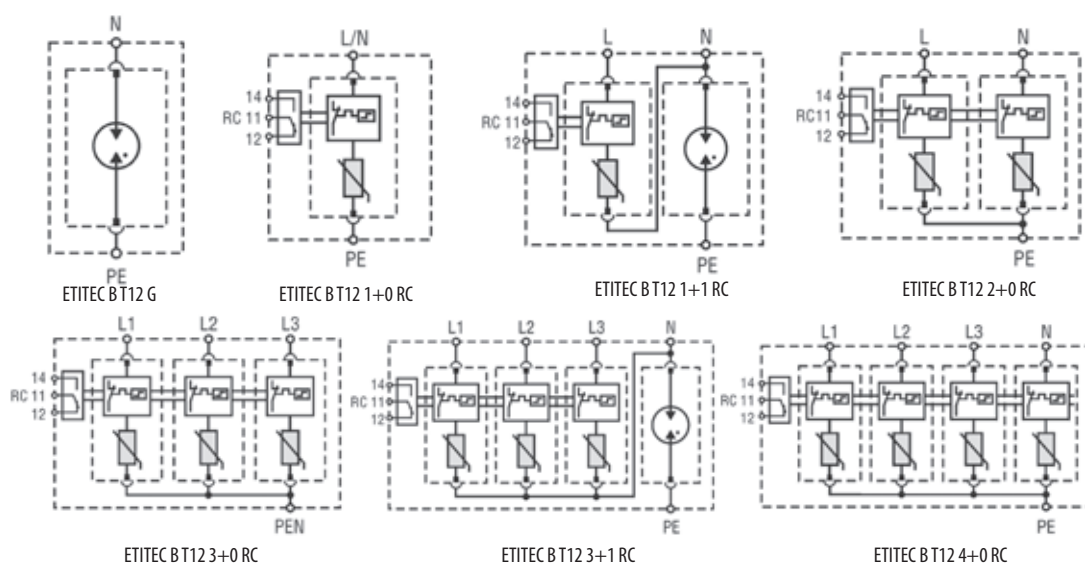
Note: I_{imp} and I_n/I_{max} - defined per single pole

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



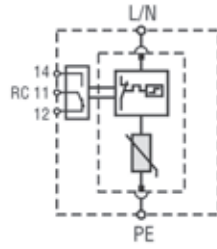
Surge arrester ETITEC group B T12 EN/IEC/VDE: T1,T2/I,II/B,C

ETITEC B T12	
Type	275/7
In accordance with	IEC/EN 61643-11
Category IEC/EN/VDE	I, II / T1,T2 / B,C
Max. continuous operating voltage (AC) U_c	275
Nominal AC voltage U_o	230V 50-60 Hz
TOV immunity U_r (AC)	335 V/5s withstand 440 V/120 min safe disconnection
Impulse current (10/350) I_{imp}	7 kA
Nominal discharge current (8/20) I_n	25 kA
Max. discharge current (8/20) I_{max}	50 kA
Charge	
Protection level U_p - at I_n (8/20)	< 1,5 kV
Follow current I_f	x
Response time t_a	< 25 ns
Residual current I_{pe} at U_{ref}	< 0,2 mA
Thermal decoupler	✓
Torque	3,0 Nm
Back-up fuse (if mains > 125A)	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 ... 4 TE
Indication of disconnector operation	red flag
Permissible humidity	5% - 95%
Additional data for ETITEC B-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

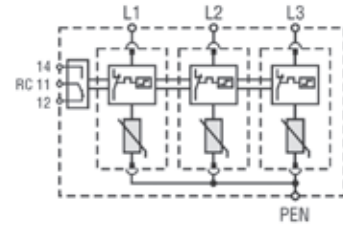
Type of network and nr. of SPD poles

Network	Nr of poles (SPD configuration)
TNC 1 phase	1+0
TNC 3 phase	3+0
TNS 1 phase	2+0 / 1+1
TNS 3 phase	4+0 / 3+1
TT 1 phase	1+1
TT 3 phase	3+1
IT 1 phase	2+0
IT 3 phase	4+0

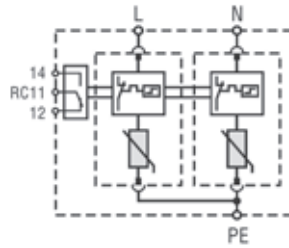
At TNC, TNS, TT systems with $U_n=230V$, recommended U_c value of SPD is 275V.
 At IT system, recommended U_c value of SPD is 440V.



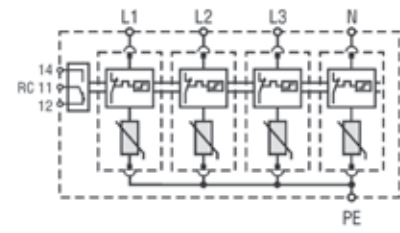
ETITEC B T12 275/7 1+0 RC



ETITEC B T12 275/7 3+0 RC

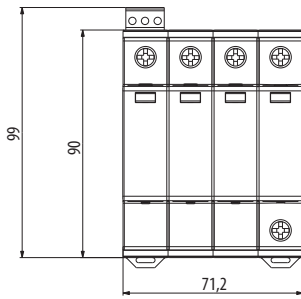


ETITEC B T12 275/7 2+0 RC

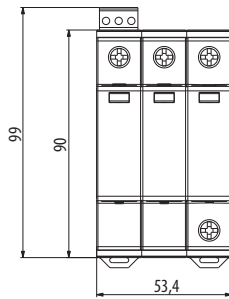


ETITEC B T12 275/7 4+0 RC

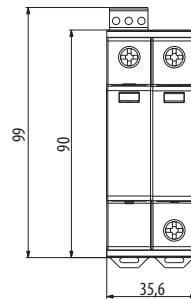
ETITEC B T12 275/7 4+0 RC



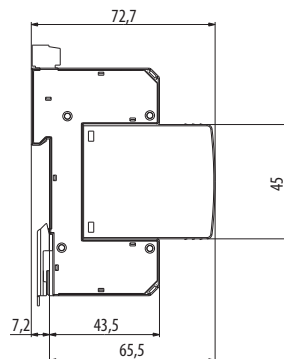
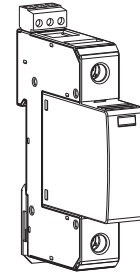
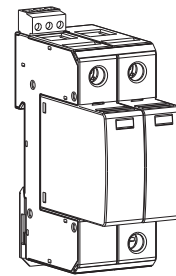
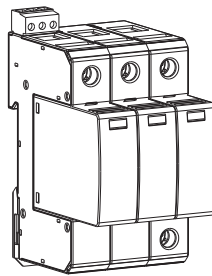
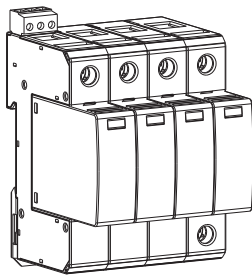
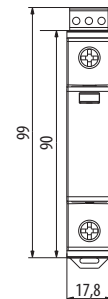
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