

ETITEC

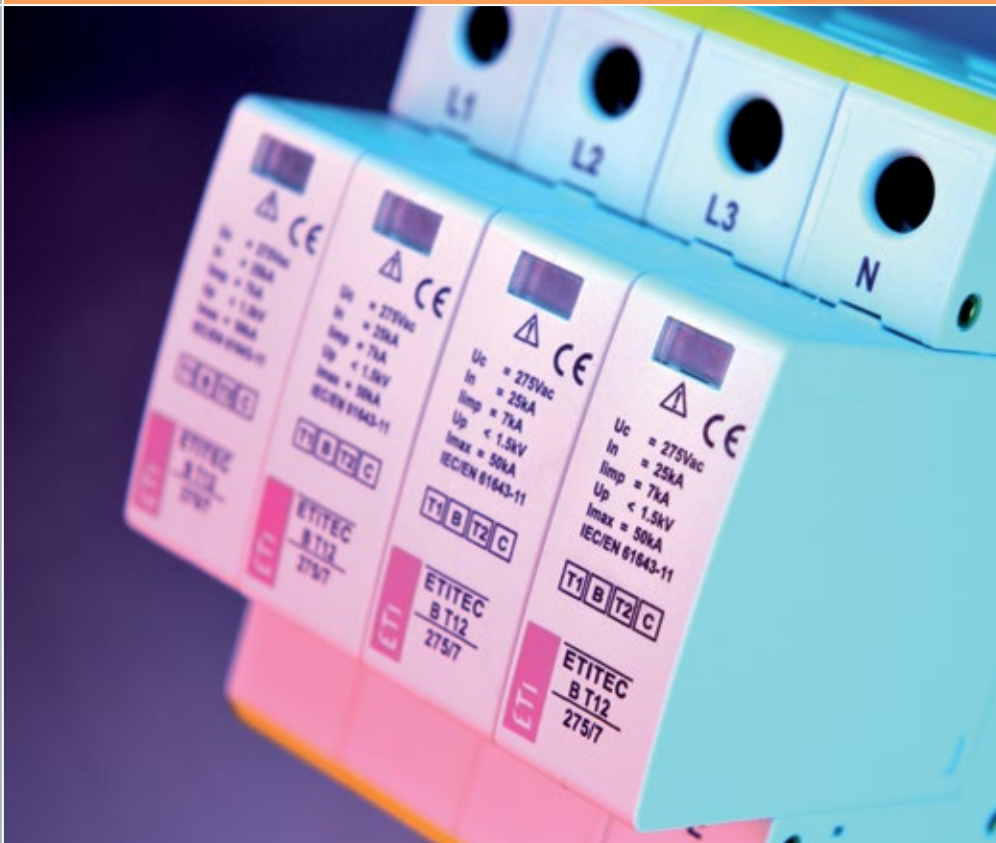
NEW! Surge arresters ETITEC V 472

Surge arresters ETITEC 478

Technical data 456

*Surge arresters for PV systems are in the Green Protect catalogue

SURGE ARRESTERS



NEW! Surge arresters ETITEC V

Surge arrester ETITEC V T12

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

<p>Description</p> <ul style="list-style-type: none"> ■ Type 1 + 2 AC power surge protector ■ I_n : 20 kA ■ I_{imp} : 12,5 kA ■ Pluggable module for each phase ■ Remote signaling (option) ■ EN 61643-11 and IEC 61643-11 compliant 	<p>Type designation: ETITEC V T12 xxx/12,5 p+c RC</p> <p>xxx - Uc voltage (max. AC operating voltage), must be above network voltage. 12.5 - 12,5kA(I_{imp} at 10/350us) p - number of poles with MOV c - 0 for MOV at NPE pole, 1 for GDT (TT systems) RC - remote contact (change over contact) for fault signalisation</p>
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New!

ETITEC V T12							
Type	Code No.	I_{imp} (10/350) [kA]	I_n/I_{max} (8/20) [kA]	U_c [V AC]	Network	Weight [g]	Packaging [pcs]
ETITEC V T12 280/12,5 1+0	002442900	12,5	20/50	280	TNC	129	1/72
ETITEC V T12 440/12,5 1+0	002442901	12,5	20/50	440	IT	129	1/72
ETITEC V T12 280/12,5 2+0	002442902	12,5	20/50	280	TNC-S	260	1/36
ETITEC V T12 280/12,5 1+1	002442903	12,5	20/50	280	TT	235	1/36
ETITEC V T12 440/12,5 2+0	002442904	12,5	20/50	440	IT	260	1/36
ETITEC V T12 280/12,5 3+0	002442905	12,5	20/50	280	TNC	390	1/24
ETITEC V T12 440/12,5 3+0	002442906	12,5	20/50	440	IT	390	1/24
ETITEC V T12 280/12,5 4+0	002442907	12,5	20/50	280	TNC-S	490	1/18
ETITEC V T12 280/12,5 3+1	002442908	12,5	20/50	280	TT	492	1/18
ETITEC V T12 440/12,5 4+0	002442909	12,5	20/50	440	IT	490	1/18
ETITEC V T12 280/12,5 1+0 RC	002442910	12,5	20/50	280	TNC	129	1/72
ETITEC V T12 440/12,5 1+0 RC	002442911	12,5	20/50	440	IT	129	1/72
ETITEC V T12 280/12,5 2+0 RC	002442912	12,5	20/50	280	TNC-S	260	1/36
ETITEC V T12 280/12,5 1+1 RC	002442913	12,5	20/50	280	TT	235	1/36
ETITEC V T12 440/12,5 2+0 RC	002442914	12,5	20/50	440	IT	260	1/36
ETITEC V T12 280/12,5 3+0 RC	002442915	12,5	20/50	280	TNC	390	1/24
ETITEC V T12 440/12,5 3+0 RC	002442916	12,5	20/50	440	IT	390	1/24
ETITEC V T12 280/12,5 4+0 RC	002442917	12,5	20/50	280	TNC-S	490	1/18
ETITEC V T12 280/12,5 3+1 RC	002442918	12,5	20/50	280	TT	492	1/18
ETITEC V T12 440/12,5 4+0 RC	002442919	12,5	20/50	440	IT	490	1/18



ETITEC V T12 440/12,5 3+1

TT configurations: 1+1 and 3+1 housing size (height=82mm)...
Housing size (height=82mm) not compatible with all modular enclosures. It complies only to ACT, ECH series and SOLID GSX.

NOT COMPATIBLE WITH ECG, ECM and ECT series!

Surge arrester ETITEC V T2

EN/IEC/VDE: T2/II/C

Description

- Type 2 AC surge protector
- I_n : 20 kA
- I_{max} : 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 compliance
- UL1449 ed.4

Type designation:

ETITEC V T2 xxx/20 p+c RC

xxx - Uc voltage (max. AC operating voltage), must be above network voltage.
 20 - 20kA(In at 8/20us)
 p - number of poles with MOV
 c - 0 for MOV at NPE pole, 1 for GDT (TT systems)
 RC - remote contact (Change over contact) for fault signalisation

New!

ETITEC V T2

Type	Code No.	I_n/I_{max} (8/20) [kA]	U_c [V AC]	Network	Weight [g]	Packaging [pcs]
ETITEC V T2 255/20 1+0	002442952	20/40	255	TNC	107	1/72
ETITEC V T2 255/20 2+0	002442953	20/40	255	TNC-S	263	1/36
ETITEC V T2 255/20 1+1	002442954	20/40	255	TT	216	1/36
ETITEC V T2 255/20 3+0	002442955	20/40	255	TNC	319	1/24
ETITEC V T2 255/20 4+0	002442956	20/40	255	TNC-S	420	1/18
ETITEC V T2 255/20 3+1	002442957	20/40	255	TT	431	1/18
ETITEC V T2 255/20 1+0 RC	002442958	20/40	255	TNC	107	1/72
ETITEC V T2 255/20 2+0 RC	002442959	20/40	255	TNC-S	263	1/36
ETITEC V T2 255/20 1+1 RC	002442960	20/40	255	TT	216	1/36
ETITEC V T2 255/20 3+0 RC	002442961	20/40	255	TNC	319	1/24
ETITEC V T2 255/20 4+0 RC	002442962	20/40	255	TNC-S	420	1/18
ETITEC V T2 255/20 3+1 RC	002442963	20/40	255	TT	431	1/18
ETITEC V T2 440/20 1+0 RC	002442964	20/40	440	TNC	107	1/72
ETITEC V T2 440/20 2+0 RC	002442965	20/40	440	TNC-S	263	1/36
ETITEC V T2 440/20 3+0 RC	002442966	20/40	440	TNC	319	1/24
ETITEC V T2 440/20 4+0 RC	002442967	20/40	440	TNC-S	420	1/18



ETITEC V T2 255/20 3+0

Type 2 multipole SPDs

Description

- Compact single-phase Type 2 / Compact 3-phase Type 2
- I_n : 20 kA
- I_{max} : 40 kA
- Pluggable module
- Remote signaling contact (option)
- EN 61643-11 and IEC 61643-11 compliant

Type designation:

ETITEC V 2T2 xxx/20 p+c RC

xxx - Uc voltage (max. AC operating voltage), must be above network voltage.

20 - 20kA(In at 8/20us)

p - number of poles with MOV

c - 0 for MOV at NPE pole, 1 for GDT (TT systems)

RC - remote contact (Change over contact) for fault signalisation



ETITEC V 2T2 255/20 2+0 RC



ETITEC V 2T2 255/20 4+0

New!

ETITEC V 2T2

Type	Code No.	I_n/I_{max} (8/20) [kA]	U_c [V AC]	Network	Weight [g]	Packaging [pcs]
ETITEC V 2T2 255/20 2+0	002442940	20/40	255	TNC-S	131	1/72
ETITEC V 2T2 440/20 2+0	002442941	20/40	440	TNC-S	131	1/72
ETITEC V 2T2 255/20 1+1	002442942	20/40	255	TT	140	1/72
ETITEC V 2T2 255/20 4+0	002442943	20/40	255	TNC-S	380	1/36
ETITEC V 2T2 440/20 4+0	002442944	20/40	440	TNC-S	380	1/36
ETITEC V 2T2 255/20 3+1	002442945	20/40	255	TT	240	1/36
ETITEC V 2T2 255/20 2+0 RC	002442946	20/40	255	TNC-S	131	1/72
ETITEC V 2T2 440/20 2+0 RC	002442947	20/40	440	TNC-S	131	1/72
ETITEC V 2T2 255/20 1+1 RC	002442948	20/40	255	TT	140	1/72
ETITEC V 2T2 255/20 4+0 RC	002442949	20/40	255	TNC-S	380	1/36
ETITEC V 2T2 440/20 4+0 RC	002442950	20/40	440	TNC-S	380	1/36
ETITEC V 2T2 255/20 3+1 RC	002442951	20/40	255	TT	240	1/36

Type 3 (weak type2) multipole SPDs

Description

- Compact single-phase SPD / Compact 3-phase SPD
- I_n : 5 kA
- I_{max} : 15 kA
- Pluggable module
- Remote signaling contact (option)
- IEC 61643-11 and EN 61643-11 compliant

Type designation:

ETITEC V 2T3 xxx/5 p+c RC

xxx - Uc voltage (max. AC operating voltage), must be above network voltage.

5 - 5kA(I_n at 8/20us)

p - number of poles with MOV

c - 0 for MOV at NPE pole, 1 for GDT (TT systems)

RC - remote contact (Change over contact) for fault signalisation

Hard-wired AC Surge Protectors

Description - ETITEC L3 255/3/6

- Ultra Compact Type 3 surge protectors for 230 Vac networks
- Mounting on plate or terminal
- Disconnection signaling by buzzer or Led system
- 24 V AC or DC version available
- EN 61643-11, IEC 61643-11 and UL1449 4ed. compliant

ETITEC L3 255/3/6

These very compact surge protectors can be integrated in the very small volumes of certain lights (linear LEDs). The surge protection circuit is equipped with an end of life indicator buzzer in order to indicate the disconnection of the surge protector.

Description - ETITEC L3 255/3/10

- Compact Type 2 and 3 surge protectors
- Wall mounting and hard wired connection
- UL1449 4ed. and IP 66
- Status indicators
- EN 61643-11, IEC 61643-11 and UL1449 4ed. compliant

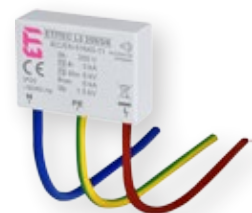
New!

ETITEC V 2T3

Type	Code No.	I_n/I_{max} (8/20) [kA]	U_{oc} [kV]	U_c [V AC]	Network	Weight [g]	Packaging [pcs]
ETITEC V 2T3 255/5 2+0	002442968	5/15	10	255	TNC-S	104	1/72
ETITEC V 2T3 440/5 2+0	002442969	5/15	10	440	TNC-S	104	1/72
ETITEC V 2T3 255/5 1+1	002442970	5/15	10	255	TT	111	1/72
ETITEC V 2T3 255/5 4+0	002442971	5/15	10	255	TNC-S	218	1/36
ETITEC V 2T3 440/5 4+0	002442972	5/15	10	440	TNC-S	218	1/36
ETITEC V 2T3 255/5 3+1	002442973	5/15	10	255	TT	218	1/36
ETITEC V 2T3 255/5 2+0 RC	002442974	5/15	10	255	TNC-S	104	1/72
ETITEC V 2T3 440/5 2+0 RC	002442975	5/15	10	440	TNC-S	104	1/72
ETITEC V 2T3 255/5 1+1 RC	002442976	5/15	10	255	TT	111	1/72
ETITEC V 2T3 255/5 4+0 RC	002442977	5/15	10	255	TNC-S	218	1/36
ETITEC V 2T3 440/5 4+0 RC	002442978	5/15	10	440	TNC-S	218	1/36
ETITEC V 2T3 255/5 3+1 RC	002442979	5/15	10	255	TT	218	1/36
ETITEC L3 255/3/6	002442987	3/6	6	255	TNC-S 1ph.	20	1/72



ETITEC V 2T3 255/5 3+1



ETITEC L3 255/3/6

LED lighting protection

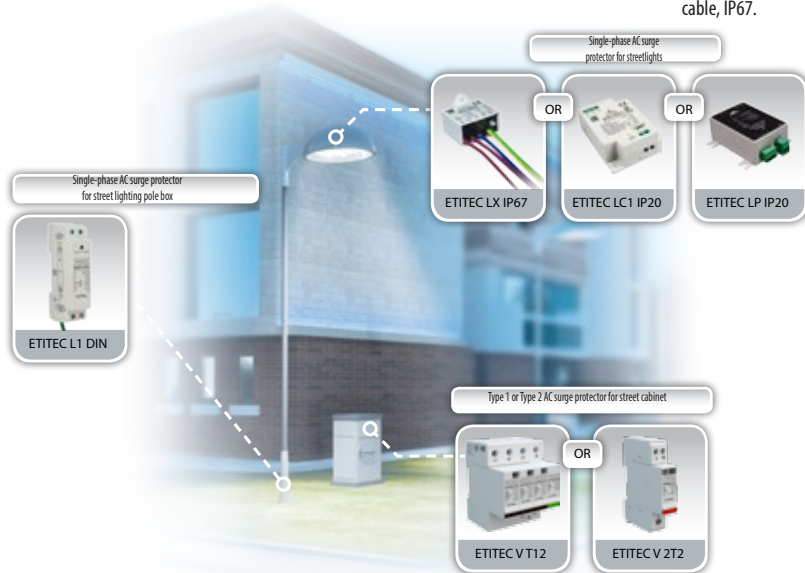
ETITEC LC1 IP20 range is a compact solution surge protectors to be installed in small spaces. These devices are available in 2 types of connectors (screw terminal or spring) and in two orientations wiring (input / output opposite or input / output on the same side) in order to adapt to the installation as much as possible. In cases of extreme aggression, lightning LC1 will be in a state of safe end of life: the indication of failure (disconnection) of the surge protector is performed by the extinction of an indicator and switching off the AC (extinction street luminaire) inform the user of the need for maintenance.

ETITEC LX range is an ultra compact surge protection solution for installation in extremely tight spaces. These surge protectors are available with an output by drivers and fixing bracket. In the end of life of security the LX indicates its failure (disconnection) by the extinction of an indicator and AC power supply switching off (extinction of the candelabra) inform the user of the need for maintenance. They are available in IP67.

ETITEC LP range is a complete range of AC surge protectors specifically designed for the protection of LED lighting systems at the lantern. Many versions have been proposed to meet the various existing configurations : surge protection devices are available in different isolation classes (Class 1, Class 2) and connection type (wire or screw terminal). Some versions are equipped with additional protection for data line option (RS485,DALI, 0-10V) to provide a complete solution for LED systems with control lines. In cases of extreme aggression, the surge protector will be in a state of retirement security: according to the different versions available, an indication of the failure of the surge protector is performed by the extinction of an indicator, a AC power supply failure and / or through a remote signalisation.

ETITEC L1 DIN device is installed inside the bottom of the lighting pole: its very compact dimension allows a easy integration with the connection box, on DIN rail . L1 is based on a powerful association of MOV and GDT components, secured by thermal disconnecter and connection light indicator.

Type	Description	Characteristics	Properties	Network
ETITEC L1 DIN	DIN surge protector type 2 or 3	Compact. Montage DIN	Type 2+3, CM/DM, mounted in connection box on DIN rail.	
ETITEC LP1 IP20	Hard-wired surge protector type 2 or 3	Remote signaling and data in option	Type 2 + 3, protection class I (GDT to earth), screw terminal.	Supply 230 V AC
ETITEC LP2 IP20			Type 2 + 3, protection class II, screw terminal for double insulated fixtures.	
ETITEC LC1 IP20	Compact, hard-wired surge protector type 2 and type 3	Compact. Many configurations	Type 2 + 3, protection class I (GDT to earth), screw terminal, very compact	
ETITEC LX1 IP67	Ultra-compact hard-wired surge protector type 2+3	Ultra compact IP67 VG Technology	Type 2 + 3, protection class I (GDT to earth), connection cable, IP67.	
ETITEC LX2 IP67			Type 2 + 3, protection class II for double insulated fixtures, connection cable, IP67.	



Surge arresters

ETITEC LC1 IP20

- Type 2 (or 3) surge protectors for LED lighting
- Very compact
- Plate mounting
- Screw terminal or spring terminal connection
- Status indicator
- End of life AC Disconnection
- IEC 61643-11 and EN 61643-11 compliance

ETITEC LX

- Ultra compact Type 2 + 3 surge protector for 230 Vac networks
- For Classe I and Classe II
- Wall mounting and hard wired connection
- Breakable mounting bracket
- Protection rating : IP67
- Disconnection signaling by indicator
- AC disconnection in case of end of life

ETITEC LP1 and LP2

- Type 2 (or 3) surge protector
- Class I or Class II configurations
- Comprehensive range for all configurations
- Compact dimensions
- IP65 version
- Combined AC/Dataline version
- Wire connection
- Max. discharge current 10 kA
- IEC 61643-11 and EN 61643-11 compliant

ETITEC L1 DIN

- Type 2 (or 3) surge protectors for Led
- Very compact (low profile)
- DIN rail mounting
- Screw terminal connection
- Status indicator
- Disconnection AC end of life
- IEC 61643-11 and EN 61643-11 compliance

LED lighting protection

New!

Type	Code No.	I_n/I_{max} (8/20) [kA]	Uoc [kV]	U_c [V AC]	IL [A]	Weight [g]	Packaging [pcs]
ETITEC LC1 IP20	002442980	5/10	10	320	5	35	1/36
ETITEC LP1 IP20	002442981	5/10	10	305	2,5	79	1/36
ETITEC LP2 IP20	002442982	5/10	10	305	2,5	79	1/36
ETITEC LX1 IP67	002442983	5/10	10	320	10	52	1/36
ETITEC LX2 IP67	002442984	5/10	10	320	10	52	1/36
ETITEC L1 DIN	002442985	5/10	10	320	10	107	1/72



ETITEC LC1 IP20



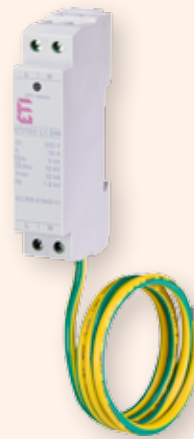
ETITEC LP2 IP20



ETITEC LX1 IP67



ETITEC LP1 IP20



ETITEC L1 DIN



ETITEC LX2 IP67

Surge arresters ETITEC

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

Advantages:

- remote signalisation - auxiliary contact (only RC type)
- mounting on DIN rail
- connection up to 35mm²
- high discharge currents
- high degree of protection
- varistor is the protective element
- IEC/EN 61643-11
- RoHS compliant

Description

ETITEC T WENT is surge arrester for indoor installation, internal protection of electrical system. Group WENT surge protection is in accordance with VDE class B, C. This protection corresponds to IEC category I, II. The protection is made on the main distribution box, as the first level of protection against lightning strikes and partial direct or indirect strikes. It's compact design demands small requirement for space for a complete 3-phase protection. It can be used in single or three phase network systems: TT, TNC, TNC-S. In case of permanent arrester damage, thermal protection is activated which signalizes faulty arrester.

*Note: First number of designation 1+0, 2+0, 3+1 etc. indicates the number of varistors. Second one means the following: number 0 indicates there is no gas discharge tube (GDT), number 1 indicates there is. GDT element is required in TT systems.



ETITEC T WENT 320/12,5 3+1 RC



ETITEC T WENT 320/25 3+1 RC

New!

ETITEC T WENT Iimp=12,5kA

Type	Code No.	I _{imp} (10/350) [kA]	I _n /I _{max} (8/20) [kA]	U _c [V AC]	Weight [g]	Packaging [pcs]
ETITEC T WENT 320/12,5 1+0	002440378	12,5	20/50	320	200	1/7
ETITEC T WENT 320/12,5 2+0	002440380	12,5	20/50	320	230	1/7
ETITEC T WENT 320/12,5 1+1	002440381	12,5	20/50	320	150	1/7
ETITEC T WENT 320/12,5 3+0	002440382	12,5	20/50	320	330	1/5
ETITEC T WENT 320/12,5 4+0	002440383	12,5	20/50	320	590	1/3
ETITEC T WENT 320/12,5 3+1	002440384	12,5	20/50	320	600	1/3
ETITEC T WENT 320/12,5 1+0 RC	002440379	12,5	20/50	320	205	1/7
ETITEC T WENT 320/12,5 2+0 RC	002440385	12,5	20/50	320	230	1/7
ETITEC T WENT 320/12,5 1+1 RC	002440386	12,5	20/50	320	160	1/7
ETITEC T WENT 320/12,5 3+0 RC	002440387	12,5	20/50	320	340	1/5
ETITEC T WENT 320/12,5 4+0 RC	002440388	12,5	20/50	320	600	1/3
ETITEC T WENT 320/12,5 3+1 RC	002440389	12,5	20/50	320	600	1/3

* RC → remote signalisation

ETITEC T WENT Iimp=25kA

Type	Code No.	I _{imp} (10/350) [kA]	I _n /I _{max} (8/20) [kA]	U _c [V AC]	Weight [g]	Packaging [pcs]
ETITEC T WENT 320/25 1+0	002440364	25	25/100	320	295	1/7
ETITEC T WENT 320/25 2+0	002440366	25	25/100	320	560	1/3
ETITEC T WENT 320/25 1+1	002440367	25	25/100	320	490	1/3
ETITEC T WENT 320/25 3+0	002440368	25	25/100	320	840	1/3
ETITEC T WENT 320/25 3+1	002440369	25	25/100	320	1050	1/2
ETITEC T WENT 320/25 4+0	002440370	25	25/100	320	1120	1/2
ETITEC T WENT 320/25 1+0 RC	002440365	25	25/100	320	300	1/7
ETITEC T WENT 320/25 2+0 RC	002440371	25	25/100	320	570	1/3
ETITEC T WENT 320/25 1+1 RC	002440372	25	25/100	320	490	1/3
ETITEC T WENT 320/25 3+0 RC	002440373	25	25/100	320	860	1/3
ETITEC T WENT 320/25 3+1 RC	002440374	25	25/100	320	1060	1/2
ETITEC T WENT 320/25 4+0 RC	002440375	25	25/100	320	1140	1/2

* RC → remote signalisation

Surge arrester ETITEC group B EN/IEC/VDE: T1, T2, T3 / I, II, III / B+C+D

Description

ETITEC B is surge arrester for indoor application. Group B overvoltage protection is in accordance with VDE class B, C, D. This protection corresponds to IEC category I, II, III and EN Type 1, Type 2, Type 3. 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, 3+1 etc. indicates the number of varistors. Second one means the following: number 0 indicates there is no gas discharge tube, number 1 indicates there is.

Advantages:

- 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)
- modular design
- IEC/EN 61643-11
- RoHS compliant
- connection up to 35mm²

New!

ETITEC B T12 I_{imp} = 12,5kA

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 150/12,5 1+0	002440311	12,5	25/60	150	124	1/12
ETITEC B T12 150/12,5 1+0 RC	002440312	12,5	25/60	150	129	1/12
ETITEC B T12 275/12,5 1+0	002440313	12,5	25/60	275	150	1/12
ETITEC B T12 275/12,5 1+0 RC	002440314	12,5	25/60	275	155	1/12
ETITEC B T12 440/12,5 1+0	002440315	12,5	25/60	440	150	1/12
ETITEC B T12 440/12,5 1+0 RC	002440316	12,5	25/60	440	155	1/12
ETITEC B T12 275/12,5 2+0	002440317	12,5	25/60	275	198	1/7
ETITEC B T12 275/12,5 2+0 RC	002440318	12,5	25/60	275	203	1/7
ETITEC B T12 440/12,5 2+0	002440319	12,5	25/60	440	251	1/7
ETITEC B T12 440/12,5 2+0 RC	002440320	12,5	25/60	440	256	1/7
ETITEC B T12 275/12,5 3+0	002440321	12,5	25/60	275	382	1/5
ETITEC B T12 275/12,5 3+0 RC	002440322	12,5	25/60	275	387	1/5
ETITEC B T12 440/12,5 3+0	002440323	12,5	25/60	440	382	1/5
ETITEC B T12 440/12,5 3+0 RC	002440324	12,5	25/60	440	387	1/5
ETITEC B T12 275/12,5 4+0	002440325	12,5	25/60	275	462	1/3
ETITEC B T12 275/12,5 4+0 RC	002440326	12,5	25/60	275	467	1/3
ETITEC B T12 440/12,5 4+0	002440327	12,5	25/60	440	462	1/3
ETITEC B T12 440/12,5 4+0 RC	002440328	12,5	25/60	440	467	1/3
ETITEC B T12 275/12,5 1+1	002440329	12,5	25/60	275	198	1/7
ETITEC B T12 275/12,5 1+1 RC	002440330	12,5	25/60	275	203	1/7
ETITEC B T12 275/12,5 3+1	002440331	12,5	25/60	275	462	1/3
ETITEC B T12 275/12,5 3+1 RC	002440332	12,5	25/60	275	467	1/3
MOD.ETITEC B T12 150/12,5	002440333	12,5	25/60	150	78	12
MOD.ETITEC B T12 275/12,5	002440334	12,5	25/60	275	88	12
MOD.ETITEC B T12 440/12,5	002440335	12,5	25/60	440	102	12
MOD.ETITEC B T12 255/50	002440310	12,5	25/60	255	70	12

* RC -> remote signalisation. Note: I_{imp} and I_n/I_{max} - defined per single pole



ETITEC B T12 275/12,5 1+0



ETITEC B T12 275/12,5 4+0

Surge arrester ETITEC group B T12

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



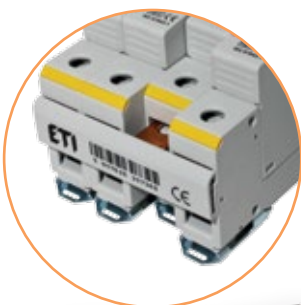
ETITEC B T12 275/7 1+0 ETITEC B T12 275/7 1+0 RC



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 C T2 EN/IEC/VDE: T2/II/C

Description

ETITEC C T2 is surge arrester for indoor application. Group C surge protection is in accordance with VDE class C. This protection corresponds to IEC class II. The protection is made at the subdistribution board, as the second level of protection against overvoltage indirect lightning strikes. In case of permanent arrester damage, thermal protection is activated which signalize faulty arrester. ETITEC C T2 255/20 G is an overvoltage arrester with gas discharge tube for protection against indirect lightning strikes. It is used as a galvanic separation between N-PE conductor in TT network systems.

*Note: First number of designation 1+0, 2+0, 3+1 etc. indicates the number of varistors. Second one means the following: number 0 indicates there is no gas discharge tube, number 1 indicates there is.

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 C T2

Type	Code No.	I _n /I _{max} (8/20) [kA]	U _c [V AC]	Weight [g]	Packaging [pcs]
ETITEC C T2 275/20 1+0	002440393	20/40	275 VAC	128	1/12
ETITEC C T2 275/20 1+0 RC	002440394	20/40	275 VAC	133	1/12
ETITEC C T2 275/20 4+0	002440395	20/40	275 VAC	456	1/3
ETITEC C T2 275/20 4+0 RC	002440396	20/40	275 VAC	471	1/3
ETITEC C T2 275/20 2+0	002440397	20/40	275 VAC	244	1/7
ETITEC C T2 275/20 2+0 RC	002440398	20/40	275 VAC	249	1/7
ETITEC C T2 275/20 3+0	002440399	20/40	275 VAC	352	1/5
ETITEC C T2 275/20 3+0 RC	002440400	20/40	275 VAC	357	1/5
ETITEC C T2 275/20 1+1	002440401	20/40	275 VAC	225	1/7
ETITEC C T2 275/20 1+1 RC	002440402	20/40	275 VAC	230	1/7
ETITEC C T2 275/20 3+1	002440403	20/40	275 VAC	441	1/3
ETITEC C T2 275/20 3+1 RC	002440404	20/40	275 VAC	446	1/3
ETITEC C T2 440/20 1+0	002440405	20/40	440 VAC	130	1/12
ETITEC C T2 440/20 1+0 RC	002440406	20/40	440 VAC	145	1/12
ETITEC C T2 440/20 4+0	002440407	20/40	440 VAC	466	1/3
ETITEC C T2 440/20 4+0 RC	002440408	20/40	440 VAC	471	1/3
ETITEC C T2 440/20 2+0	002440409	20/40	440 VAC	247	1/7
ETITEC C T2 440/20 2+0 RC	002440410	20/40	440 VAC	252	1/7
ETITEC C T2 440/20 3+0	002440411	20/40	440 VAC	356	1/5
ETITEC C T2 440/20 3+0 RC	002440412	20/40	440 VAC	361	1/5
ETITEC C T2 255/20 G	002440413	20/40	255 VAC	118	1/12
MODUL ETITEC C T2 275/20	002440414	20/40	275 VAC	56	12/12
MODUL ETITEC C T2 440/20	002440415	20/40	440 VAC	58	12/12
MODUL ETITEC C T2 255/20 G	002440416	20/40	255 VAC	36	12/12

* 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.



ETITEC C T2 275/20 1+0 ETITEC C T2 275/20 1+0 RC



ETITEC C T2 275/20 4+0



MODUL ETITEC C T2 275/20



Iz16/1F/2/ETITEC

Iz16/1F/3/ETITEC



Iz16/1F/3/ETITEC

Surge arrester ETITEC group D T3

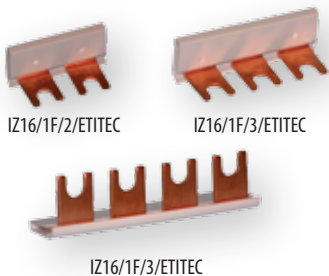
EN/IEC/VDE: T3/III/D



ETITEC D T3 275/3 1+0 RC



MODUL ETITEC D T3 275/3



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

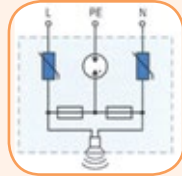
Type	code No.	weight [g]	packaging [pcs]	Connection terminals for
IZ16/1F/2/ETITEC	002921081	9	50/600	2 modules connection
IZ16/1F/3/ETITEC	002921082	15	50/600	3 modules connection
IZ16/1F/4/ETITEC	002921083	20	50/600	4 modules connection

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 arresters

ETITEC D 255/3 MINI			
Type	Code No.	Weight [g]	Packaging [pcs]
ETITEC D 255/3 MINI	002441632	25	1



ETITEC FILT D 20/275F 8A G is an electromagnetic interference (EMI) and overvoltage protective device of class III. It is designed for complete protection and is installed directly in front of protected devices on DIN rail. Protected electrical device is safe against effects of overvoltage, electrostatic voltage and electromagnetic interferences. These disturbances, which are present in all electrical systems, are caused by other electrical devices, by switching manoeuvres, by defects in electrical network and by other activities, such as welding.

Applications: Protecting devices such as: TV, PC, Server, Control and regulation devices,...

ETITEC FILT D			
Type	Code No.	Weight [g]	Packaging [pcs]
ETITEC FILT D 20/275F 8A G	002441712	94	1



Surge protection of SIGNAL/CONTROL lines

ETITEC SIGNAL/CONTROL low voltage protective devices have been developed to protect against the effects of induced voltages onto data, signal and communication circuits. Coarse protection is provided by a three terminal gas discharge tube while fine protection is provided using a high speed silicon or metal oxide varistor stage. Care is taken to ensure coordination between these two stages without voltages or surge current blind spots occurring. The circuit topology consists of a multi-stage protector providing both common (longitudinal) mode and differential (transverse) mode protection.

ETITEC SIG EM-TD series provides overcurrent protection by PTC element, which provides a level of protection against short circuit or mains incursion. Internal thermal disconnectors are also employed to reduce the hazards of thermal runaway during fault conditions.

ETITEC SIG EMH-TC series is designed to minimize intercapacitance and shunt capacitance, thereby maximizing the operating frequency to 35MHz in most cases. Thermal protection is provided to reduce the hazards of thermal runaway should there be an inadvertent mains incursion fault.

ETITEC SIG EMS-TC series is intended for those applications where high ground potential rises may frequently occur, such as in locations close to electric railways. Thermal protection is provided to reduce the hazards of thermal runaway should there be an inadvertent mains incursion fault.

ETITEC SIG EMO series is intended for those application where higher than normal surge discharge levels may be experienced.

EM-RS485 has been developed to protect 2 pair data transmission circuits using the RS 485, RS 422 and V11 protocol. The circuit consists of two balanced pairs with equipotential equalization between them. Equipotential equalization is also provided between signal ground and protective ground to avoid equipment damage from ground potential rises during surge activity.

Coarse protection is provided by a three terminal gas discharge tube while fine protection is provided using a high speed silicon stage which provides both common (longitudinal) mode protection from each line to protective ground, and differential (transverse) mode protection between each pair.

Care is taken to ensure coordination between these two stages without voltage or surge current blind spots occurring. Thermal protection is provided to reduce the hazards of thermal runaway should there be an inadvertent mains incursion fault.

ETITEC LAN series is intended to protect Local Area Networks (LAN) from over voltage surges and electrostatic discharges created by switching transients in buildings. LAN systems are particularly prone to such disturbances because of the often long cable lengths involved which behave like antennas to such atmospheric disturbances. It provides protection to all 8 lines in the UTP, STP and is Cat 6 capable. Ground potential equalization between signal and protective (network or PC chassis) ground is provided.



ETITEC SIGNAL/CONTROL lines

Type	Code No.	Weight [g]	Packaging [pcs]
ETITEC SIG EM-TD 24V RC	002441701	110	1/12
ETITEC SIG EM-TD 24V 2 GND	002441702	110	1/12
ETITEC SIG EM-TD 110V RC	002441703	110	1/12
ETITEC SIG EM-TD 110V 2 GND	002441704	110	1/12
ETITEC SIG EMH-TC 24V 2GND	002441705	110	1/12
ETITEC SIG EMH-TC 110V 2GND	002441706	110	1/12
ETITEC SIG EMS-TC 24V	002441707	110	1/12
ETITEC SIG EMS-TC 110V	002441708	110	1/12
ETITEC SIG EMO 24V	002441709	110	1/12
ETITEC SIG EMO 110V	002441711	110	1/12
ETITEC EM-RS485	002441713	114	6
ETITEC LAN	002441714	120	12

Advantages:

- ETITEC SIG EM-TD: indication window of faulty device
- remote signalisation (option)
- mounting on top hat fixing DIN rail
- high degree of protection
- PTC is the protective element
- metal snapper, new way of mounting on DIN rail (easier, quicker)