

## NEW! Surge arresters ETITEC V

### Surge arrester ETITEC V T12

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

#### Description

- 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

#### Type designation:

ETITEC V T12 xxx/12,5 p+c RC

xxx -  $U_c$  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

New!

#### ETITEC V T $I_{imp}=12,5kA$

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.

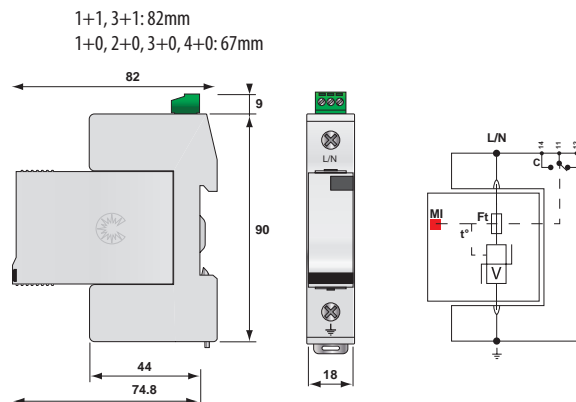
**NOT COMPATIBLE WITH ECG, ECM and ECT series!**

## Surge arrester ETITEC V T12

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

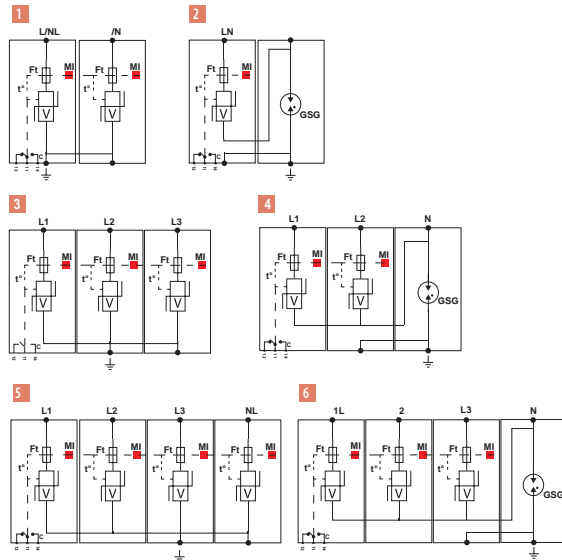
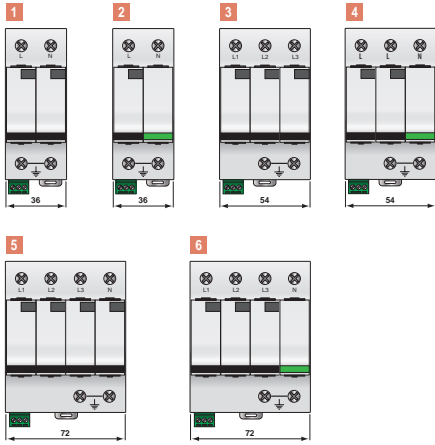
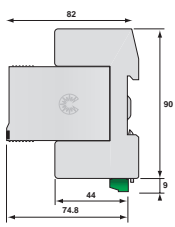
ETITEC V T limp=12,5kA			
Type		ETITEC V T12 280	ETITEC V T12 400
Description		1+2 AC surge protector - 1-pole	
Network		230/400	230/400 V
Max. AC operating voltage	Uc	280 VAC	440 VAC
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	335 Vac withstand	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics -120 mn	UT	440 Vac disconnection	770 Vac disconnection
Residual current - Leakage current at Uc	Ipe	< 1 mA	< 1 mA
Follow current	If	x	x
Nominal discharge current - 15 x 8/20 μs impulses	In	20 kA	20 kA
Max. discharge current -max. withstand @ 8/20 μs by pole	I <sub>max</sub>	50 kA	50 kA
Impulse current by pole - max. withstand 10/350μs	I <sub>imp</sub>	12,5 kA	12,5 kA
Specific energy by pole	W/R	40 kJ/ohm	40 kJ/ohm
Protection level	Up	1,3 kV	1,7 kV
Admissible short-circuit current	I <sub>sc</sub>	25000 A	25000 A
<b>Associated disconnectors</b>			
Thermal disconnector		internal	
Fuses		Fuses Type gG - 125 A	
Installation ground fault breaker		Type "S" or delayed	
<b>Mechanical characteristics</b>			
Dimensions		see diagram	
Connection to Network		By screw terminals: 2,5-25 mm <sup>2</sup> / by bus	
Disconnection indicator		1 mechanical indicator	
Remote signaling of disconnection		output on changeover contact	
Mounting		Symmetrical rail 35 mm (EN60715)	
Operating temperature		-40 ... +85°C	
Protection rating		IP20	
Housing material		Thermoplastic UL94-V0	
Standards compliance		IEC 61643-11 / EN 61643-11	

## Dimensions



V: High energy MOV  
 Mi: Disconnection indicator  
 Ft: Thermal fuse  
 t°: Thermal disconnection mechanism  
 C: contact for remote signal

1+1, 3+1: 82mm  
 1+0, 2+0, 3+0, 4+0: 67mm

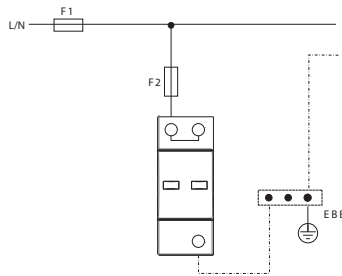


V: High energy MOV  
 GSG: Specific gas tube  
 MI: Disconnection indicator  
 F1: Thermal fuse  
 t\*: Thermal disconnection mechanism  
 C: Contact for remote signal

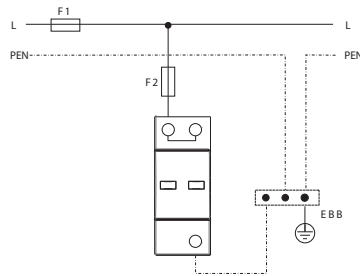
## Technical data

### ETITECT WENT $I_{imp}=12,5 \text{ kA}$

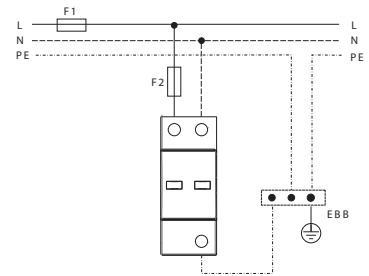
TN-S Network - Single-phase, 1+0 (T-connection)



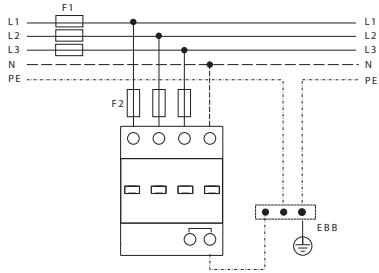
TN-C Network - Single-phase, 1+0 (T-connection)



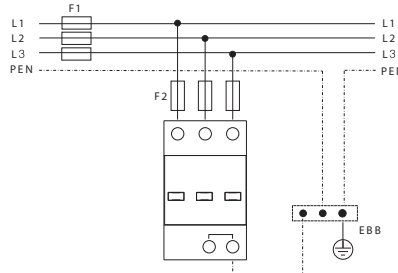
TN-S Network - Single-phase, 2+0 (T-connection)



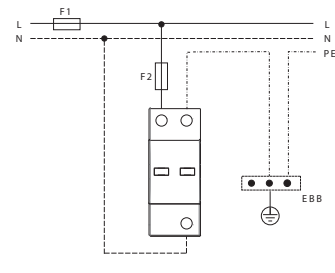
TN-S Network - Three-phase, 4+0 (T-connection)



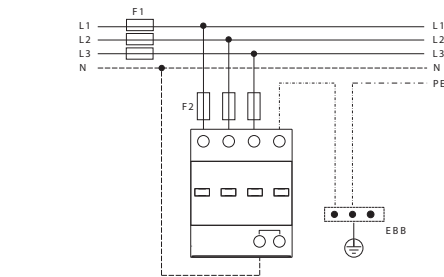
TN-C Network - Three-phase 3+0 (T-connection)



TT Network - Single-phase 1+1 (T-connection)



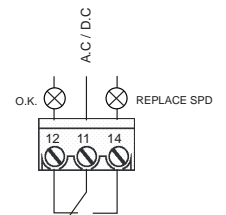
TT Network - Three-phase 3+1 (T-connection)



### Remote signalization connection / Back-up fuse

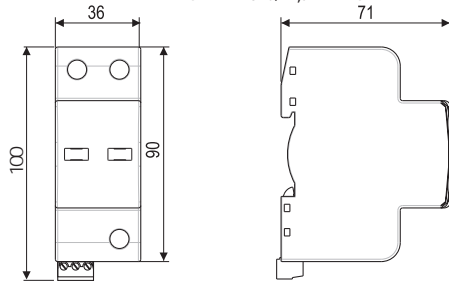
Back-up fuse	
$F1 > 250 \text{ A gG}$	$\rightarrow F2 = 250 \text{ A gG}$
$F1 \leq 250 \text{ A gG}$	$\rightarrow F2 = \text{not needed}$

A.C.	250V / 0.5A
D.C.	250V / 0.1A
	125V / 0.2A
	75V / 0.5A

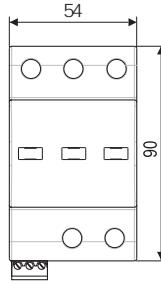


## Dimensions

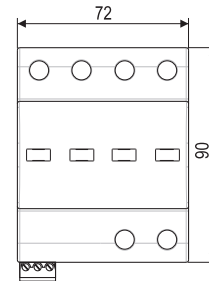
ETITECT WENT 320/25 1+0 RC  
 ETITECT WENT 320/12,5 1+0 RC  
 ETITECT WENT 320/12,5 2+0 RC  
 ETITECT WENT 320/12,5 1+1 RC



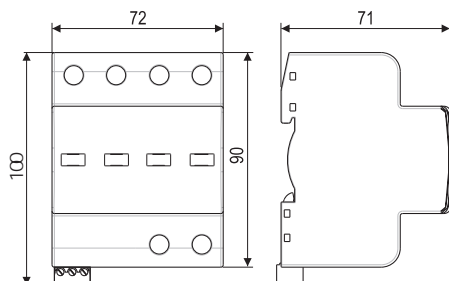
ETITECT WENT 320/12,5 3+0 RC



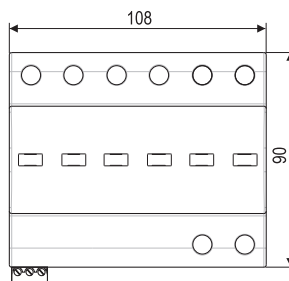
ETITECT WENT 320/12,5 4+0 RC  
 ETITECT WENT 320/12,5 3+1 RC



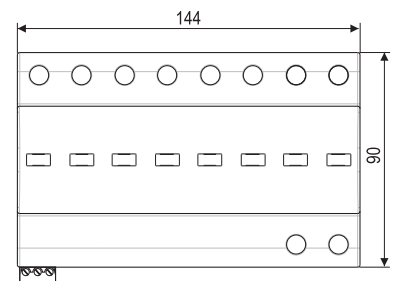
ETITECT WENT 320/25 2+0 RC  
 ETITECT WENT 320/25 1+1 RC



ETITECT WENT 320/25 3+0 RC



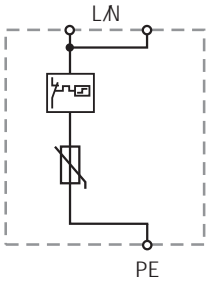
ETITECT WENT 320/25 4+0 RC  
 ETITECT WENT 320/25 3+1 RC



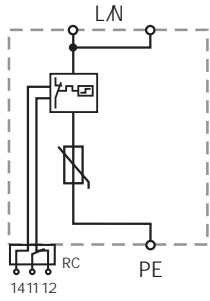
Connection diagram

ETITECT WENT  $I_{imp}=12,5$  kA

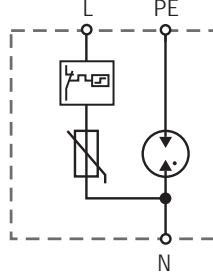
ETITECT WENT 320/12,5 1+0



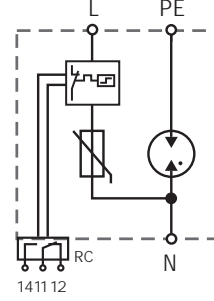
ETITECT WENT 320/12,5 1+0 RC



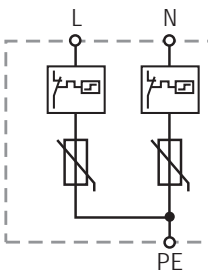
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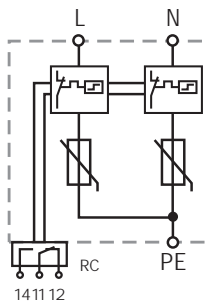
ETITECT WENT 320/12,5 1+1 RC



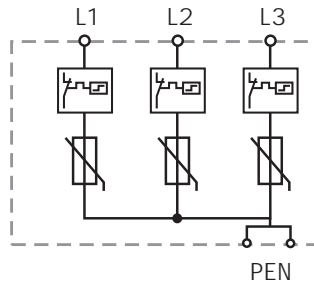
ETITECT WENT 320/12,5 2+0



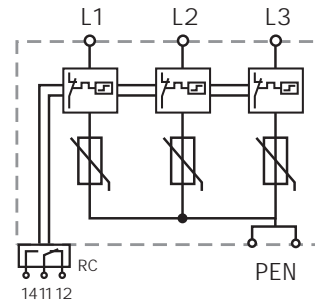
ETITECT WENT 320/12,5 2+0 RC



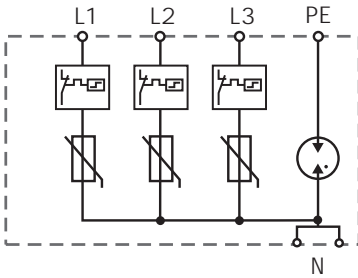
ETITECT WENT 320/12,5 3+0



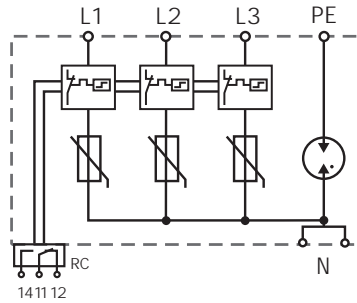
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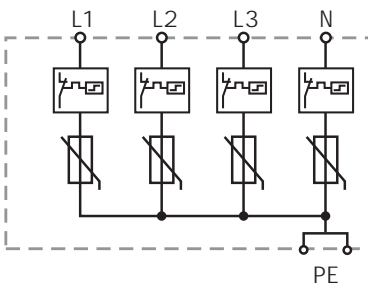
ETITECT WENT 320/12,5 3+1



ETITECT WENT 320/12,5 3+1 RC



ETITECT WENT 320/12,5 4+0



ETITECT WENT 320/12,5 4+0 RC

