

Comb. arrester 3+0

TNC, Class I+II(B+C), 300V, 25kA+RC, pluggable

with auxiliary contact



Technical Data

Version	Protec series
Circuit	3+0
Max. continuous voltage AC (VAC)	300
Lightning surge current rating (kA)	25
Rated discharge current (kA)	25
Max. discharge current (kA)	65
Voltage protection level (kV)	1500
Horizontal pitch (HP)	6
Remote contact	yes
Rated voltage	240VAC
Short circuit withstand	50
Specific Energy (kJ/Ω)	156,20
Charge (As)	12,50
Response Time (ns)	<100
Overcurrent Protection (max) (A gG)	315
TOV SafeFail 120min (L-N) (V)	442
Leakage current free	Yes

Mechanical conditions

Operating Temperature Range	T_a	-40 °C to +85 °C
Permissible Operating Humidity	RH	5% ... 95%
Pollution Degree		2
Altitude		4000m
Terminal Screw Torque	M_{max}	4,5Nm
Conductor Cross Section (max)		35mm ² (Solid, Stranded)/ 25mm ² (Flexible)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection		IP20(built-in)
Housing Material		Thermoplast: 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)		1,5mm ² (Solid)

Additional Electrical Parameters (tested by VDE)

Short-Circuit Current Rating (AC)	I_{SCCR}	100kA
Overcurrent Protection (max)		315gG

UL Electrical Parameters

Maximum Continuous Operating Voltage (AC)	MCOV	300V
Measured Limiting Voltage	MLV	1280V
Nominal Discharge Current (8/20µs)	I_n	20kA

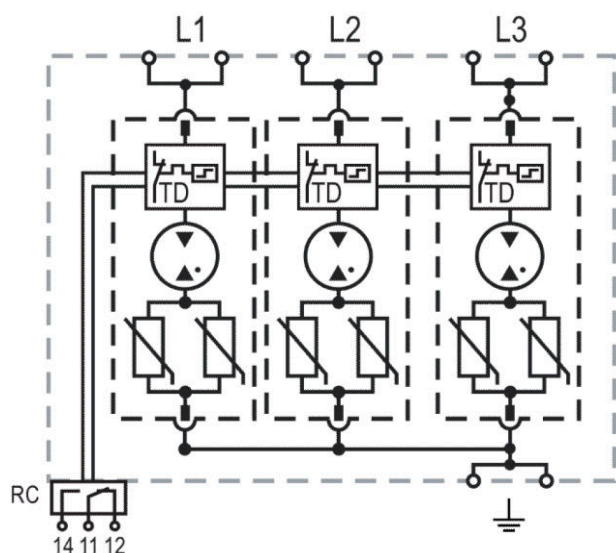
Mechanical conditions

Operating Temperature Range	T_a	-40 °C to +85 °C
Permissible Operating Humidity	RH	5% ... 95%
Pollution Degree		2
Conductor Cross Section (max)		1 mm ² (Stranded)
Mounting		cable duct
Degree of Protection		IP20(built-in)
Housing Material		Thermoplast: Extinguishing Degree UL 94 V-0
Thermal Protection		Ja
Operating State/Fault Indication		LED

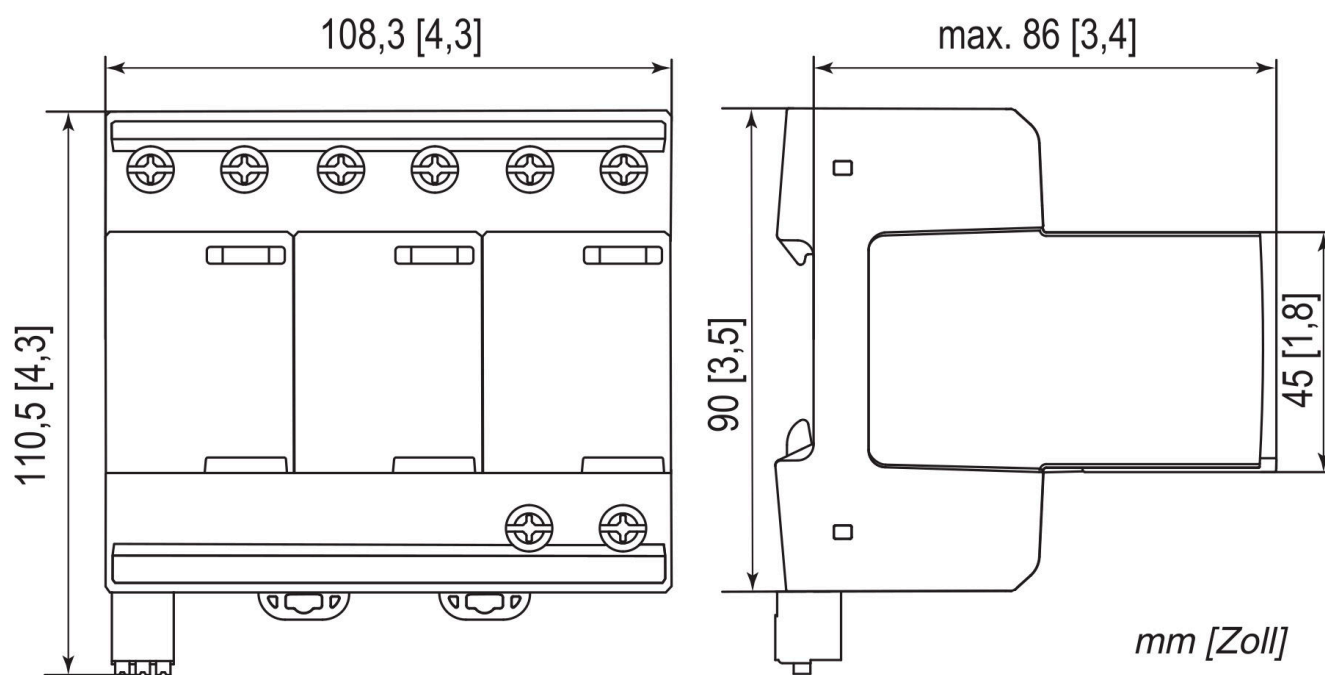
Mechanical conditions

Operating Temperature Range	T_a	-40 °C to +85 °C
Premissible Operating Humidity	RH	5% ... 95%
Pollution Degree		2
Altitude		2000m
Terminal Screw Torque	M_{max}	4,5Nm
Conductor Cross Section (max)		35mm ² (Solid, Stranded)/ 25mm ² (Flexible)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection		IP20(built-in)
Housing Material		Thermoplast: 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)		1,5mm ² (solid)

Circuit diagram IS131211--



Dimension diagram IS131211--



DESCRIPTION

Comb. arrester 3+0 TNC, Class II (B+C), 300V, 25kA+RC, pluggable
with auxiliary contact

Order No.

IS131211