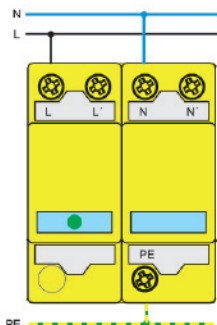


# Type 1+2+3 Combined Lightning & Surge Arresters For TNC-S and TN-S Installations

LATEST  
TECHNOLOGY

SPD with all / full mode protection (common and differential)

50kA 10/350µs LPL Level 1



Part No. 10812/LED

Classification acc. To BSEN61643-11		Type 1+2+3
Classification acc. To IEC61643-1	V	Class I+II+III
Maximum continuous operating voltage	Uc	275V AC
Frequency	f	47-63Hz
LPZ		0-3
Max. lightning current per phase/N	Iimp	25kA (10/350)
Charge	Q	12.5Asec
Specific energy	W/R	156kj (10/350)
Combined Impulse	Uoc	6kV
Max. discharge current per phase	I <sub>max</sub>	80kA (8/20)
Nominal discharge current per mode	I <sub>n</sub>	25kA (8/20)
		< 600 V at Uoc
Voltage protection level at Iimp	U <sub>p</sub>	< 600 V
		< 750 V at Iimp
Response time	t <sub>A</sub>	< 25ns
Temporary overvoltage TOV	UT	450V/5 Sec
Max backup fuse		125A gL/gG
Short-circuit withstand capability at max. backup fuse	I <sub>p</sub>	25kAms
3 way visual indication of status		Green optical LED on front panel. Remote changeover contact 250 VAC/0.5A (DS)
Recommended cross section of connection wires / tightening torque		25mm <sup>2</sup> Cu/4Nm
Operating temperature		40 to +80°C
Mounting on		35mm DIN rail
Weight	m	500g
Lifetime		min. 100 000h

- Lightning protection Level 1, which is the highest protection level 100ka 10/350µs
- Enhanced protection to BSEN62305, BSEN61643-11 & BS7671
- Combined arrester Type 1+2+3 can handle direct lightning strikes and protect sensitive electronic equipment
- Very low let through voltage between all conductors less than 600V
- Full mode protection phase to earth, phase to neutral, phase to phase, neutral to earth
- Three way visual indication of status
- Remote changeover contacts can be linked to BMS, buzzer, light etc
- Will extinguish follow currents after activation
- Internal thermal disconnecter
- Din rail mountable
- Minimum backup fuse / MCB 63A
- Recommended cable size 25mm<sup>2</sup>
- Can be supplied in polycarbonate IP65 or metal housing
- Manufactured in Europe
- Competitively priced against other brands



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