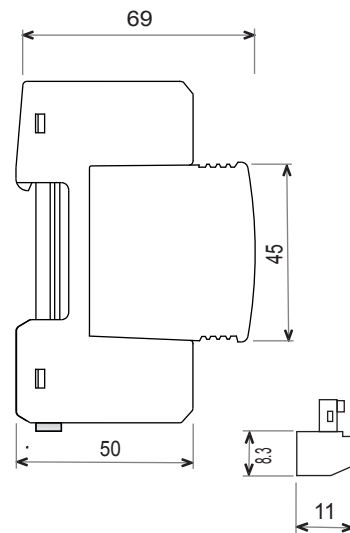


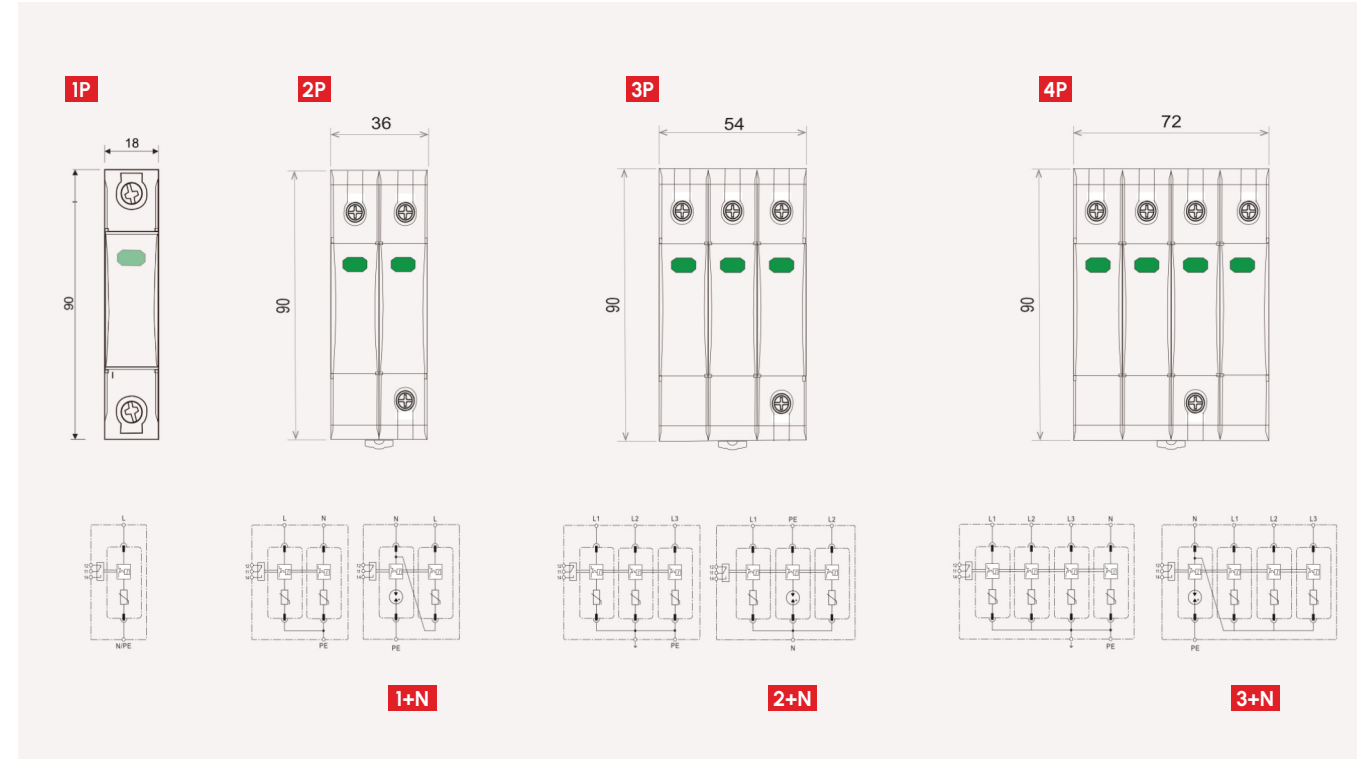
# WAE 25/40 SERIES TYPE2 X



- It is used for the lightning protection (surge) protection of the AC/DC power supply line and its equipment in the communication cabinet, and can also be used for the lightning protection (surge) protection of the single-phase AC/DC power supply line and its equipment.
- The protection module is provided with a double overheat and overcurrent trip device and an indicator window

WAE	40	150	A1	FM	X
1	2	3	4	5	6
1 AEGIS (Type 2)	2 I <sub>max</sub> (8/20μs)	3 U <sub>c</sub>	4 AC/DC System	5 With remote signalling contact	6

WOLTIFY MODEL	WAE 25 48 AXX FM X	WAE 40 150 AXX FM X	WAE 40 320 AXX FM X
SPD according to EN 61643-II / IEC 61643-II	Type 2 / class II	Type 2 / class II	Type 2 / class II
Nominal voltage (A.C.) U <sub>n</sub>	42 V (50 / 60 Hz)	120 V (50 / 60 Hz)	230 V (50 / 60 Hz)
Maximum Continuous Operating Voltage AC/DC U <sub>c</sub>	48V AC/60V DC	150V AC/200V DC	320V AC/420V DC
Nominal Discharge Current (8/20μs) T2 I <sub>n</sub>	7.5 kA	15 kA	20 kA
Maximum Discharge Current (8/20μs) T2 I <sub>max</sub>	25 kA	40 kA	40 kA
Voltage Protection Level U <sub>p</sub>	≤0.33 kV	≤0.7 kV	≤1.5 kV
Voltage Protection Level at 5 kA U <sub>p</sub>	≤0.25 kV	≤0.55 kV	≤1.2 kV
Temporary over-voltage (UT) – Characteristic TOV	70 V / 5 sec. – withstand	175 V / 5 sec. – withstand	335 V / 5 sec. – withstand
Temporary over-voltage (UT) – Characteristic TOV	90 V / 120 min. – safe failure	230 V / 120 min. – safe failure	440 V / 120 min. – safe failure
Response Time t <sub>A</sub>	≤ 25ns		
Max. mains-side overcurrent protection	125 A gG		
Short-circuit withstand capability for max. main-side overcurrent protection I <sub>scrr</sub>	50 kA <sub>rms</sub>		
Operating State / Fault Indication	Green/Red		
Ambient Temperature	-40 to +80°C		
Mounting On	35mm DIN Rail		
Cross-sectional area (min.)	1.5 mm 2 solid / flexible		
Cross-sectional area (max.)	35 mm 2 stranded / 25 mm 2 flexible		
Enclosure Material	Flame Retardant PBT UL94-V0		
Level of Protection	IP20		
Dimensions	90x18x67mm		



Product Name	Product Code	Protection Mode	U <sub>c</sub>	I <sub>max</sub> (8/20μs)	I <sub>n</sub> (8/20μs)	U <sub>p</sub>
WAE 25 48 A1 FM X	102510	L-N or L-PE	48 V AC	25 kA	7.5 kA	≤ 0.33 kV
WAE 25 48 A2 FM X	102511	L-PE / N-PE	48 V AC	25 kA	7.5 kA	≤ 0.33 kV
WAE 25 48 A3 FM X	102512	L-PE	48 V AC	25 kA	7.5 kA	≤ 0.33 kV
WAE 25 48 A4 FM X	102513	L-PE / N-PE	48 V AC	25 kA	7.5 kA	≤ 0.33 kV
WAE 40 150 A1 FM X	104010	L-N or L-PE	150 V AC	40 kA	15 kA	≤ 0.7kV
WAE 40 150 A1N FM X	104011	L-N / N-PE	150 V AC	40 kA	15 kA	≤ 0.7kV (NPE≤1.2)
WAE 40 150 A2 FM X	104012	L-PE / N-PE	150 V AC	40 kA	15 kA	≤ 0.7kV
WAE 40 150 A3 FM X	104013	L-PE	150 V AC	40 kA	15 kA	≤ 0.7kV
WAE 40 150 A3N FM X	104014	L-N / N-PE	150 V AC	40 kA	15 kA	≤ 0.7kV (NPE≤1.2)
WAE 40 150 A4 FM X	104015	L-PE / N-PE	150 V AC	40 kA	15 kA	≤ 0.7kV
WAE 40 275 A1 FM X	104016	L-N or L-PE	275 V AC	40 kA	20 kA	≤ 1.3kV
WAE 40 275 A1N FM X	104017	L-N / N-PE	275 V AC	40 kA	20 kA	≤ 1.3kV (NPE≤1.2)
WAE 40 275 A2 FM X	104018	L-PE / N-PE	275 V AC	40 kA	20 kA	≤ 1.3kV
WAE 40 275 A3 FM X	104019	L-PE	275 V AC	40 kA	20 kA	≤ 1.3kV
WAE 40 275 A3N FM X	104020	L-N / N-PE	275 V AC	40 kA	20 kA	≤ 1.3kV (NPE≤1.2)
WAE 40 275 A4 FM X	104021	L-PE / N-PE	275 V AC	40 kA	20 kA	≤ 1.3kV
WAE 40 320 A1 FM X	104022	L-N or L-PE	320 V AC	40 kA	20 kA	≤ 1.5kV
WAE 40 320 A1N FM X	104023	L-N/N-PE	320 V AC	40 kA	20 kA	≤ 1.5kV (NPE≤1.2)
WAE 40 320 A2 FM X	104024	L-PE/N-PE	320 V AC	40 kA	20 kA	≤ 1.5kV
WAE 40 320 A3 FM X	104025	L-PE	320 V AC	40 kA	20 kA	≤ 1.5kV
WAE 40 320 A3N FM X	104026	L-N/N-PE	320 V AC	40 kA	20 kA	≤ 1.5kV (NPE≤1.2)
WAE 40 320 A4 FM X	104027	L-PE/N-PE	320 V AC	40 kA	20 kA	≤ 1.5kV

Additional Data (Optional)	WAE 25 48 A1N FM X	WAE 40 120 A1N FM X	WAE 40 230 A1N FM X
Remote Alarm Terminal Type	Dry Contact		
Rated Terminal Power Un/In	AC: 250V/1.0A DC: 250V/0.5A 125V/0.6A 60V/1.0A		
Cross-sectional Area of Remote Alarm Wire	1.0 ~ 2.5mm <sup>2</sup> single/multi-strand wire		