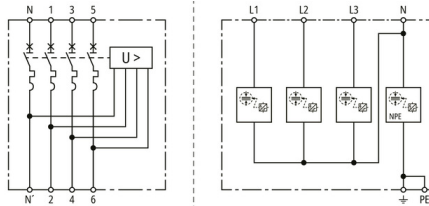


SPD+POP+MCB 40A 3P+N T1+2 (900 744)

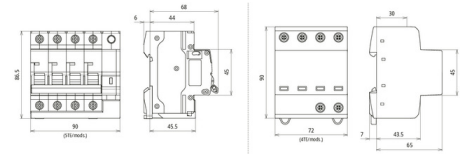
- Complete protection against transient and power frequency overvoltages
- Compact design allows easy retrofitting
- Meets the requirements of EN 61643-11 (SPD) and EN 63052 (POP)



Figure without obligation



Basic circuit diagram SPD+POP+MCB 40A 3P+N T1+2



Dimension drawing SPD+POP+MCB 40A 3P+N T1+2

General

Type	SPD+POP+MCB 40A 3P+N T1+2
Part No.	900 744 NEW
Tightening torque	4 Nm
Cross-sectional area (min.)	2.5 mm ² solid / fine-stranded
Cross-sectional area (max.)	35 mm ² stranded / 25 mm ² fine-stranded
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	Thermoplastic, grey, UL 94 V-0
Operating temperature range	-25°C to +60°C
Installation point	Indoor
Approvals	CE
Dimensions	9 Standard DIN module, DIN 43880

SPD

Type	SPD+POP+MCB 40A 3P+N T1+2
Part No.	900 744 NEW
SPD according to EN 61643-11 / ... IEC 61643-11	type 1 + type 2 / class I + class II
Energy-coordinated protection effect with terminal equipment (≤ 10 m)	Type 1 + Type 2 + Type 3
Nominal AC voltage (U _N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U _C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μs) [L1+L2+L3+N-PE] (I _{total})	50 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	625 kJ/Ohm
Lightning impulse current (10/350) [L-N]/[N-PE] (I _{imp})	12.5 / 25 kA
Specific energy [L-N]/[N-PE] (W/R)	39.06 / 156.25 kJ/Ohm
Nominal discharge current (8/20 μs) [L-N] (I _n)	12.5 kA
Nominal discharge current (8/20 μs) [N-PE] (I _n)	50 kA
Voltage protection level [L-N] (U _P)	≤ 1.5 kV
Voltage protection level [N-PE] (U _P)	≤ 1.5 kV
Follow current extinguishing capability [L-N]/[N-PE] (I _n)	25 kA _{rms} / 100 A _{rms}
Follow current limitation / Selectivity	No tripping of a 35 A gG fuse up to 25 kA _{rms} (prosp.)
Response time (t _a)	≤ 100 ns
Max. mains-side overcurrent protection	160 A gG
Temporary overvoltage [L-N] (U _T) – Characteristics	440 V / 120 min. – withstand
Temporary overvoltage [N-PE] (U _T) – Characteristics	1200 V / 200 ms – withstand
Operating temperature range (T _u)	-40°C to +80°C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, N, PE, ÷) (min.)	1.5 mm ² solid / fine-stranded
Cross-sectional area (L, N, PE, ÷) (max.)	35 mm ² stranded / 25 mm ² fine-stranded

POP

Type	SPD+POP+MCB 40A 3P+N T1+2
Part No.	900 744 
Tested to	IEC EN 63052:2021-08
Nominal AC voltage [L-N] (U_N)	230 V
Nominal AC voltage [L-L] (U_N)	400 V
Maximum tripping time [$U_a = 255$ V] (t_A)	No tripping
Minimum non-tripping time [$U_a = 255$ V] (t_A)	No tripping
Maximum tripping time [$U_a = 275$ V] (t_A)	15 sec.
Minimum non-tripping time [$U_a = 275$ V] (t_A)	3 sec.
Maximum tripping time [$U_a = 300$ V] (t_A)	5 sec.
Minimum non-tripping time [$U_a = 300$ V] (t_A)	1 sec.
Maximum tripping time [$U_a = 350$ V] (t_A)	0.75 sec.
Minimum non-tripping time [$U_a = 350$ V] (t_A)	0.25 sec.
Maximum tripping time [$U_a = 400$ V] (t_A)	0.2 sec.
Minimum non-tripping time [$U_a = 400$ V] (t_A)	0.07 sec.

MCB

Type	SPD+POP+MCB 40A 3P+N T1+2
Part No.	900 744 
Tested to	EN 60898, EN 60947-2
Tripping characteristic	C
Rated switching capacity (I_{cn}) acc. to EN 60898	6 kA
Rated switching capacity (I_{cn}) acc. to EN 60947-2	10 kA
Nominal AC voltage (U_N)	230 / 400 V
Nominal frequency (f_N)	50 / 60 Hz
Version	3 + N
Nominal alternating current (I_L)	40 A
Energy limitation class	3
Rated impulse withstand voltage	6.2 kV
Electromechanical service life	20,000 cycles
Contact position indication	Yes
Contact position indication	Yes (green / red)
Weight	971 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364561427
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.