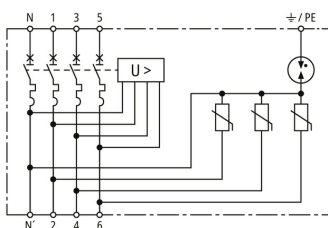


## MCB+POP+SPD 40A 3P+N (900 796)

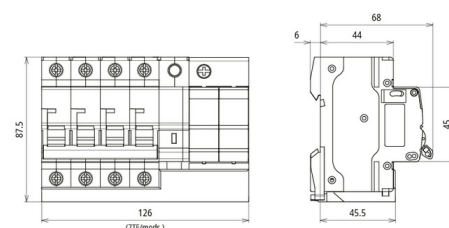
- Complete protection against transient and power frequency overvoltages
- Compact design allows easy retrofitting
- Meets the requirements of EN 61643-11 (SPD) and EN 63052 (POP)



Figure without obligation



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



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

### General

| Type                        | MCB+POP+SPD 40A 3P+N                                           |
|-----------------------------|----------------------------------------------------------------|
| Part No.                    | 900 796 <small>NEW</small>                                     |
| Tightening torque           | 4 Nm                                                           |
| Cross-sectional area (min.) | 2.5 mm <sup>2</sup> solid / fine-stranded                      |
| Cross-sectional area (max.) | 35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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                  | 7 Standard DIN module, DIN 43880                               |

### SPD

| Type                                                       | MCB+POP+SPD 40A 3P+N       |
|------------------------------------------------------------|----------------------------|
| Part No.                                                   | 900 796 <small>NEW</small> |
| SPD according to EN 61643-11 / ... IEC 61643-11            | Type 2 / class II          |
| Max. continuous operating voltage (a.c.) [L-N] ( $U_c$ )   | 275 V                      |
| Max. continuous operating voltage (a.c.) [N-PE] ( $U_c$ )  | 255 V                      |
| Max. discharge current (8/20 $\mu$ s) [L-N] ( $I_{max}$ )  | 20 kA                      |
| Max. discharge current (8/20 $\mu$ s) [N-PE] ( $I_{max}$ ) | 40 kA                      |
| Nominal discharge current (8/20 $\mu$ s) [L-N] ( $I_n$ )   | 5 kA                       |
| Nominal discharge current (8/20 $\mu$ s) [N-PE] ( $I_n$ )  | 20 kA                      |
| Voltage protection level [L-N] ( $U_p$ )                   | 1.5 kV                     |
| Voltage protection level [N-PE] ( $U_p$ )                  | 1.5 kV                     |
| Short-circuit withstand capability ( $I_{sCCR}$ )          | 10 kA                      |
| Response time [L-N] ( $t_A$ )                              | 25 ns                      |
| Response time [N-PE] ( $t_A$ )                             | 100 ns                     |
| Visual indication of end of service life                   | Yes                        |
| Dynamic thermal shutdown (L-N) ( $U_T$ )                   | Yes                        |

## POP

| Type                                                 | MCB+POP+SPD 40A 3P+N                                                                        |
|------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Part No.                                             | 900 796  |
| 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                                                     | MCB+POP+SPD 40A 3P+N                                                                        |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Part No.                                                 | 900 796  |
| 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                                                   | 780 g                                                                                       |
| Customs tariff number (Comb. Nomenclature EU)            | 85363030                                                                                    |
| GTIN                                                     | 4013364559738                                                                               |
| 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.