

# Moulded case CT, class 1 and 0.5 ... / 5 A

**Increased reliability**

- Both halves of the housing overlap rather than butting up against one another
- Break-proof plastic housing made from polyamide
- Non-combustible per UL 94 VO and self-extinguishing

**Protective caps for primary bus bar fastening screws**

- Fixing screws pins for the primary rail can be insulated by means of protective caps, available as an option
- Safeguard to prevent accidental contact

**Secondary connections**

- Feeding of the secondary connections to the connection terminals through the rectangular opening in the front and rear sides
- Secondary connection by means of cable lugs through the side slots

**Expanded secondary terminal covering**

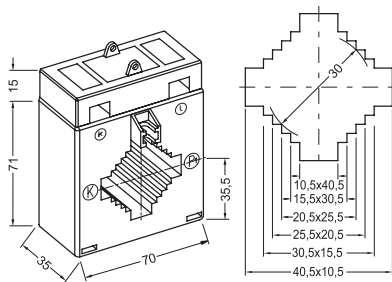
- In addition to the normal terminal covering, extra protective hoods are available
- Locking of the front and rear feed to the secondary terminals



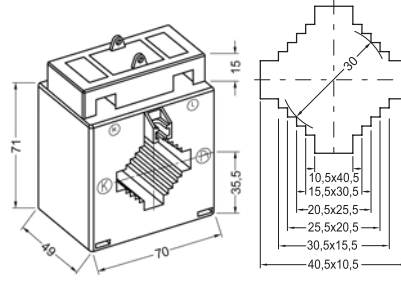
## Dimension diagrams

All dimensions provided in mm

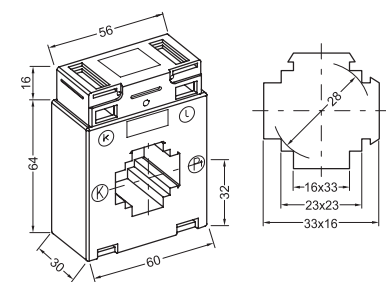
**IPA40**



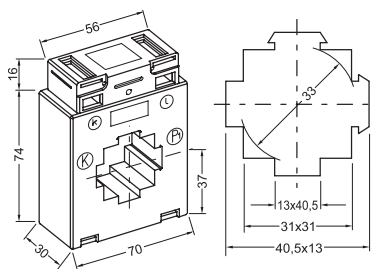
**IPA40.5**



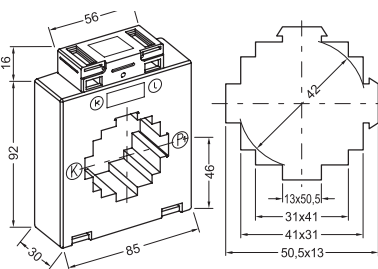
**6A315.3**



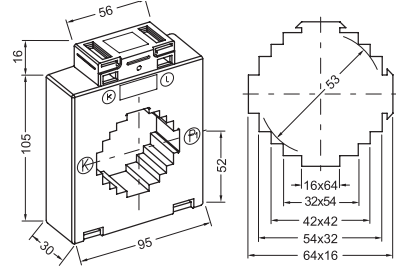
**7A412.3**



**8A512.3**



**9A615.3**



### General mechanical properties

- Nominal frequency 50 – 60 Hz
- Insulation class E (other classes on request)
- Thermal rated short-term current  $I_{th} = 60 \times I_N/1s$
- Rated surge current  $I_{dyn} = 2.5 \times I_{th}$ , min., however 100 kA
- Highest voltage for operating equipment  $U_m = 0.72$  kV
- Rated insulation level (test voltage) 3 kV / 1 min (per EN 60044-1)
- Over-current limit factor FS5 or FS10
- Harmonics currents up to 50th harmonic



## Technical data

Device overview, moulded case current transformer, class 1 ... / 5 A Secondary current\*

| Type    | Primary current in A | Power in VA | Primary conductor (bus bars) | Round conductor in mm | Width in mm | Weight (kg) | Item no.  |
|---------|----------------------|-------------|------------------------------|-----------------------|-------------|-------------|-----------|
| IPA40   | 50                   | 2.5         | 40 x 10; 30 x 15; 25 x 20    | 30                    | 70          | 0.4         | 09.05.110 |
| IPA40   | 75                   | 2.5         | 40 x 10; 30 x 15; 25 x 20    | 30                    | 70          | 0.4         | 09.05.112 |
| 6A315.3 | 100                  | 2.5         | 30 x 15 ; 20 x 20            | 28                    | 60          | 0.3         | 09.00.404 |
| 6A315.3 | 150                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.452 |
| 6A315.3 | 200                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.424 |
| 6A315.3 | 250                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.425 |
| 6A315.3 | 300                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.426 |
| 6A315.3 | 400                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.427 |
| 6A315.3 | 500                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.428 |
| 6A315.3 | 600                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.429 |
| 7A412.3 | 800                  | 5           | 40 x 12; 2 x 30 x 10         | 33                    | 70          | 0.4         | 09.00.981 |
| 7A412.3 | 1,000                | 5           | 40 x 12; 2 x 30 x 10         | 33                    | 70          | 0.4         | 09.00.982 |
| 8A512.3 | 1,250                | 5           | 50 x 12; 2 x 40 x 10         | 42                    | 85          | 0.5         | 09.01.412 |
| 8A512.3 | 1,500                | 5           | 50 x 12; 2 x 40 x 10         | 42                    | 85          | 0.5         | 09.01.413 |
| 9A615.3 | 1,500                | 5           | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.900 |
| 9A615.3 | 1,600                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.901 |
| 9A615.3 | 2,000                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.902 |
| 9A615.3 | 2,500                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.903 |

Device overview, moulded case current transformer, class 0.5 ... / 5 A Secondary current\*

| Type    | Primary current in A | Power in VA | Primary conductor (bus bars) | Round conductor in mm | Width in mm | Weight (kg) | Item no.  |
|---------|----------------------|-------------|------------------------------|-----------------------|-------------|-------------|-----------|
| IPA40.5 | 50                   | 2.5         | 40 x 10; 30 x 15; 25 x 20    | 30                    | 70          | 0.6         | 09.05.250 |
| IPA40.5 | 75                   | 2.5         | 40 x 10; 30 x 15; 25 x 20    | 30                    | 70          | 0.6         | 09.05.252 |
| IPA40.5 | 100                  | 5           | 30 x 15 ; 20 x 20            | 30                    | 70          | 0.5         | 09.05.234 |
| IPA40.5 | 150                  | 10          | 30 x 15; 20 x 20             | 30                    | 70          | 0.6         | 09.05.236 |
| 6A315.3 | 200                  | 3.75        | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.360 |
| 6A315.3 | 250                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.361 |
| 6A315.3 | 300                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.362 |
| 6A315.3 | 400                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.363 |
| 6A315.3 | 500                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.364 |
| 6A315.3 | 600                  | 5           | 30 x 15; 20 x 20             | 28                    | 60          | 0.3         | 09.00.365 |
| 7A412.3 | 800                  | 5           | 40 x 12; 2 x 30 x 10         | 33                    | 70          | 0.4         | 09.00.887 |
| 7A412.3 | 1,000                | 5           | 40 x 12; 2 x 30 x 10         | 33                    | 70          | 0.4         | 09.00.888 |
| 8A512.3 | 1,250                | 5           | 50 x 12; 2 x 40 x 10         | 42                    | 85          | 0.4         | 09.01.339 |
| 9A615.3 | 1,500                | 5           | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.820 |
| 9A615.3 | 1,600                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.821 |
| 9A615.3 | 2,000                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.822 |
| 9A615.3 | 2,500                | 10          | 63 x 15; 2 x 50 x 10         | 53                    | 95          | 0.5         | 09.01.823 |

### Accessories

|               |   |      |           |
|---------------|---|------|-----------|
| Mounting clip | for DIN rail EN 50022-35, suitable for IPA40 style, 1 pair                        | 0.01 | 09.09.000 |
| Mounting clip | for DIN rail EN 50022-35, suitable for 6A315.3, 7A412.3 and 8A512.3 style, 1 pair | 0.01 | 09.09.001 |
| Mounting clip | for DIN rail EN 50022-35, suitable for IPA40.5 style, 1 pair                      | 0.01 | 09.09.002 |

\* Secondary current transformer ... / 1 A as well as other types on request.