# 48290505

**Socomec TE-55 Solid Core CT 400-1000A 41 x 41mm Holes 55mm Centres for Digiware and DIRIS A-xx**

CURRENT TRANSFORMERS AND TRANSDUCERS

| | |
|---|---|
| **Component type** | Current transformer |
| **Range** | TE Solid Core |
| **Model** | N/A |
| **Product status** | New Item |

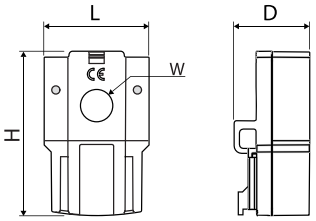
The Socomec Solid Core CTs are designed for use with Diris A-40, A-200, and Digiware I modules. They are quick to install, have a wide range of nominal current, and are highly accurate. Each CT is sold with a wide range of accessories to allow for flexibility in installation position within a switchboard or distribution board. The Socomec RJ12 cables are available in multiple length options.

| | | |
|---|---|---|
| **ELECTRICAL** | **Primary rated current** | 1000 A |
| | **Secondary current on CT** | 0.1 A |
| | **Rated operating frequency** | 50-60 Hz |
| | **Max. operating voltage (Umax)** | 600 V |
| | **Rated short time thermal current Ith (x primary current)** | 10 kA |
| | **Accuracy class** | 0.2S |
| | **Over current limiting factor** | FS 10 |
| | **Secondary rated apparent power** | 0.1 VA |
| | **Calibrated** | Yes |
| **CONSTRUCTION** | **Current transformer type** | Solid core |
| | **Material housing** | Plastic |
| | **Model** | Through-feed current converter |
| | **With shock protection** | Yes |
| | **Snap mounting** | Yes |
| | **With copper rail** | Yes |
| | **Secondary connection** | Plug-in connection |
| | **Number of primary inputs** | 1 |
| **DIMENSIONS** | **Opening diameter** | 41 mm |
| | **Height opening** | 41-41 mm |
| | **Width opening** | 41-41 mm |
| **ENVIRONMENT** | **Storage temperature** | -25…85 °C |

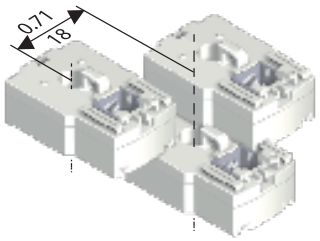
## DIMENSIONAL DIAGRAM

Dual dimension in/mm

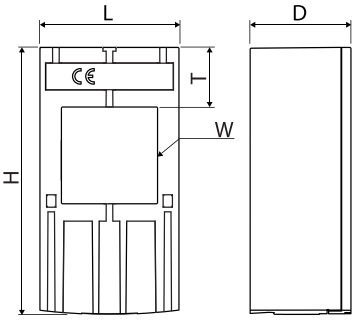
| | LxHxD | ØW | T | Pitch | I nom. | I max. |
|---|---|---|---|---|---|---|
| TE- 18 | 1.10 x 1.77 x 0.79<br>28 x 45 x 20 | ø0.33<br>ø 8.4 | - | 18 | 5...20A | 24A |
| TE- 18 | 1.10 x 1.77 x 0.79<br>28 x 45 x 20 | ø0.33<br>ø 8.4 | - | 18 | 25...63A | 75.6A |
| ΔIC Ø8 | 1.10 x 1.77 x 0.79<br>28 x 45 x 20 | ø0.33<br>ø 8.4 | - | 18 | 2A | 3A |



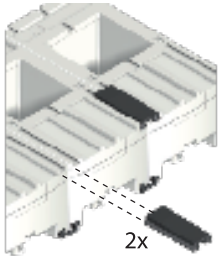

TE-18 / ΔIC Ø8



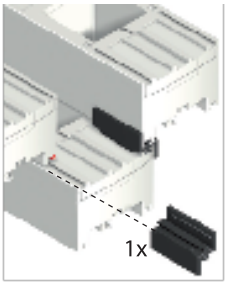

| | LxHxD | ØW | T | Pitch | I nom. | I max. |
|---|---|---|---|---|---|---|
| TE- 25 | 0.98 x 2.56 x 1.28<br>25 x 65 x 32.5 | 0.53 x 0.53<br>13.5 x 13.5 | 0.69<br>17.5 | 25 | 40...160A | 192A |
| TE- 35 | 1.37 x 2.79 x 1.28<br>35 x 71 x 32.5 | 0.82 x 0.82<br>21 x 21 | 0.69<br>17.5 | 35 | 63...250A | 300A |
| TE- 45 | 1.77 x 3.38 x 1.28<br>45 x 86 x 32.5 | 1.22 x 1.22<br>31 x 31 | 0.77<br>19.5 | 45 | 60...630A | 756A |
| TE- 55 | 2.16 x 3.93 x 1.28<br>55 x 100 x 32.5 | 1.61 x 1.61<br>41 x 41 | 0.85<br>21.5 | 55 | 400...1000A | 1200A |




TE-25 - > TE-55




TE-35 - > TE-55



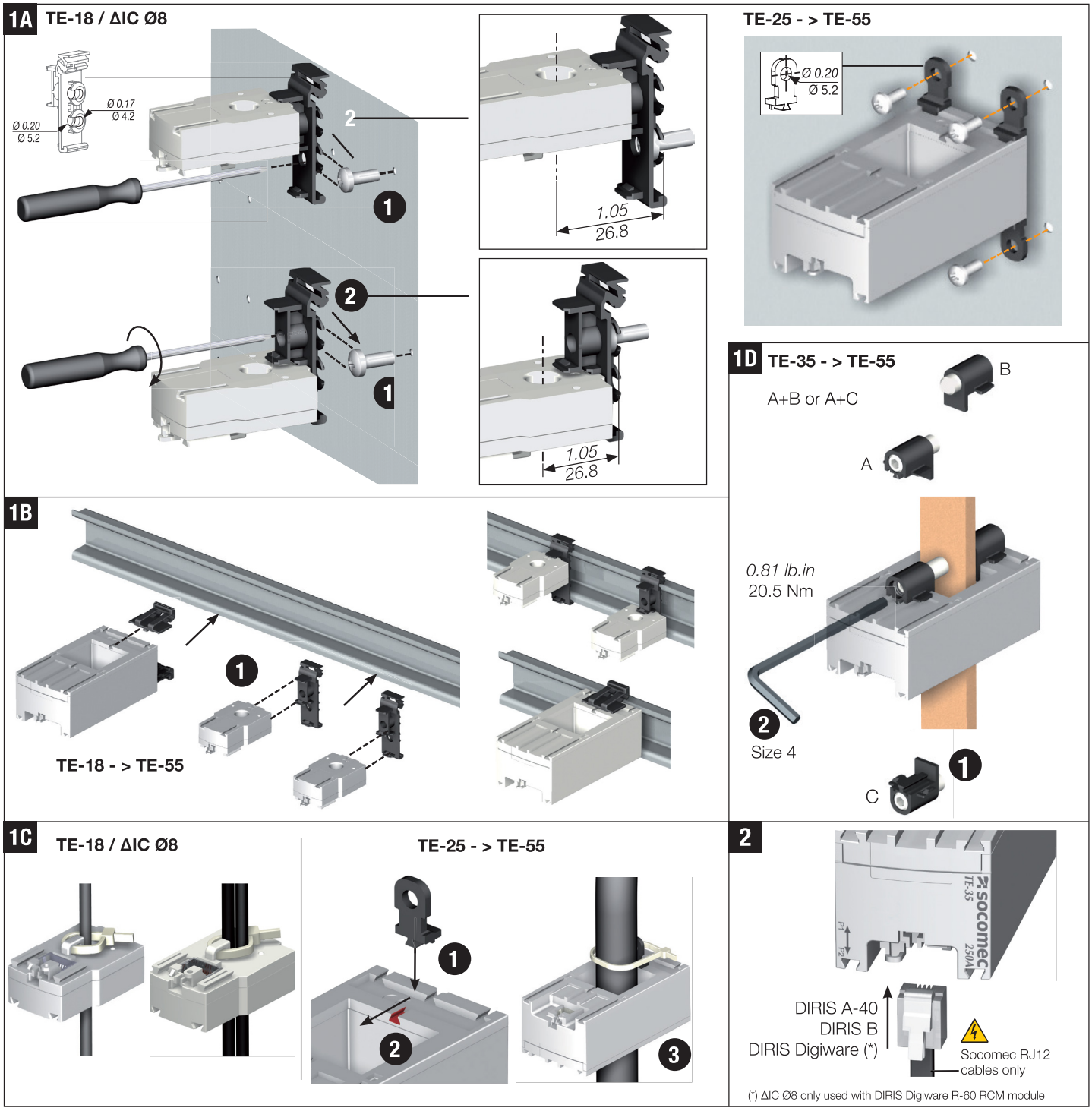

TE-25 - > TE-55

# 48290505

**Socomec TE-55 Solid Core CT 400-1000A 41 x 41mm Holes 55mm Centres for Digiware and DIRIS A-xx**

CURRENT TRANSFORMERS AND TRANSDUCERS

## ELECTRICAL CONNECTION DIAGRAM








Published on 25 July 2025

## RELATED PRODUCTS

### ACCESSORY

**Item No:** 48290580
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.1m

**Item No:** 48290581
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.2m

**Item No:** 48290582
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.3m

**Item No:** 48290583
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 1m

**Item No:** 48290584
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 2m

**Item No:** 48290588
**Required:** No
**Description:** Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx 1m

**Item No:** 48290589
**Required:** No
**Description:** Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx 2m

**Item No:** 48290590
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.1m

**Item No:** 48290591
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.2m

**Item No:** 48290592
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.3m

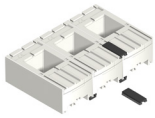
**Item No:** 48290593
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 1m

**Item No:** 48290594
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 2m

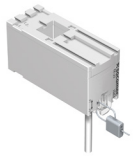
**Item No:** 48290595
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.5m

**Item No:** 48290596
**Required:** No
**Description:** Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx Cable 0.5m

**Item No:** 48290597
**Required:** No
**Description:** Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx Cable 0.5m



**Item No:** 48290598
**Required:** No
**Description:** Socomec TE CT Coupling Links Pack (Qty 30)



**Item No:** 48290600
**Required:** No
**Description:** Socomec Sealable Cover for TE/TR/iTRs/TF CTs

**Item No:** 48290602
**Required:** No
**Description:** Socomec RJ12 x 1 CT to Meter Cable 600V for Digiware and DIRIS A-xx 5m

## RELATED PRODUCTS

### ACCESSORY

**Item No:** 48290603
**Required:** No
**Description:** Socomec RJ12 x 1 CT to Meter Cable for Digiware and DIRIS A-xx 10m

**Item No:** 48290606
**Required:** No
**Description:** Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 3m