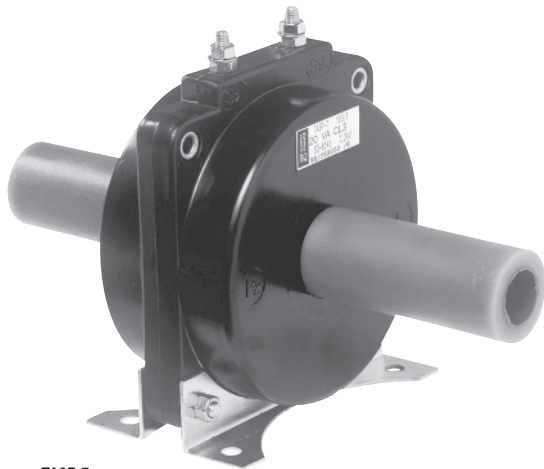
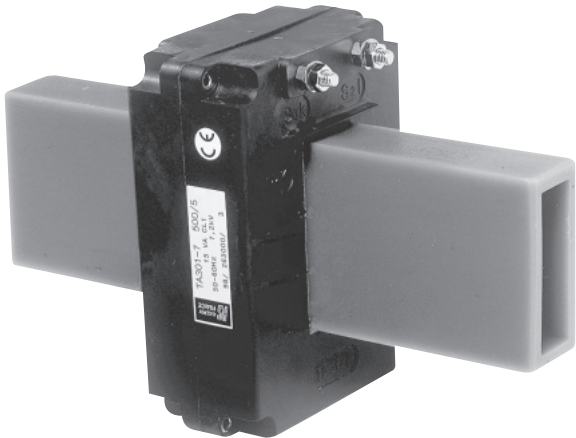


# BAR OR CABLE PRIMARY CURRENT TRANSFORMERS

## TA301-7 / P80-17 SERIES



TA3P-7



TA301-7

- **Indoor**
- **7.2 - 12 - 17.5 kV**
- **Primary current from 40 to 8000A**
- **Ith up to 600 Ipn**
- **Low cost range**

Current transformers for the measurement of AC currents from 40 to 8000A.

This low cost range combines a low voltage current transformer and an insulating epoxy tube.

### Technical data

|                                |                                                                    |
|--------------------------------|--------------------------------------------------------------------|
| Rated insulation level         | 7.2/20/60 kV to 17.5/38/95 kV                                      |
| Primary current Ipn            | 40 to 8000 A                                                       |
| Secondary current Isn          | 5 or 1 A                                                           |
| Frequency                      | 50 or 60 Hz                                                        |
| Rated output                   | 1 to 100 VA                                                        |
| Accuracy class                 | 0.1 - 0.2 - 0.2S - 0.5 - 0.5S - 1 - 3 - 5P - 10P - cIX             |
| Accuracy limit factor          | 5 - 10 - 15 - 20 - 30                                              |
| Continuous thermal current     | 1.2 Ipn                                                            |
| Short-time thermal current Ith | 40 to 600 Ipn                                                      |
| Dynamic current Idyn           | 2.5 Ith                                                            |
| Insulation class               | E                                                                  |
| Ambient temperature            | -25 °C to + 40°C                                                   |
| Standards                      | IEC - IEEE - CSA - AS - BS                                         |
| Dimensions                     | Up to 500mm maximum.<br>Specific dimension indicated on the offer. |

### Other characteristics on request

|                       |                        |
|-----------------------|------------------------|
| Secondary current Isn | 0.005 to 10 A          |
| Double ratio          | By secondary tapping   |
| Multiple cores        | Up to 2 separate cores |
| Ambient temperature   | -40 °C to +70 °C       |

### Accessories / Options

|                         |
|-------------------------|
| Mounting brackets       |
| Sealable terminal cover |

# BAR OR CABLE PRIMARY CURRENT TRANSFORMERS TA301-7 ~ P80-17 SERIES

Selection table

| Ip<br>A      | Type    |         |          | Output<br>maximum VA |      |       |
|--------------|---------|---------|----------|----------------------|------|-------|
|              | 7.2 kV  | 12 kV   | 17.5 kV  | cl3                  | cl1  | cl0.5 |
| 40           | TA3P-7  | TA3P-7  | TA3P-17  | 5                    | -    | -     |
|              | P80-7   | P80-7   | P80-17   | 2.5                  | -    | -     |
| 50           | TA3P-7  | TA3P-7  | TA3P-17  | 5                    | 1.25 | -     |
|              | P80-7   | P80-7   | P80-17   | 2.5                  | -    | -     |
| 60           | TA3P-7  | TA3P-7  | TA3P-17  | 10                   | 2.5  | -     |
|              | P80-7   | P80-7   | P80-17   | 5                    | 1.25 | -     |
| 75           | TA3P-7  | TA3P-7  | TA3P-17  | 15                   | 3.75 | -     |
|              | P80-7   | P80-7   | P80-17   | 5                    | 2.5  | -     |
| 100          | TA3P-7  | TA3P-7  | TA3P-17  | 20                   | 10   | 5     |
|              | P80-7   | P80-7   | P80-17   | 15                   | 3.75 | 1.25  |
|              | TA301-7 | TA301-7 | TA301-17 | 10                   | 1.25 | -     |
|              | TA321-7 | TA321-7 | TA321-17 | 10                   | 1.25 | -     |
|              | TA34-7  | TA34-7  | TA34-17  | 10                   | 2.5  | -     |
| 125          | TA3P-7  | TA3P-7  | TA3P-17  | 30                   | 10   | 5     |
|              | P80-7   | P80-7   | P80-17   | 20                   | 5    | 2.5   |
|              | TA301-7 | TA301-7 | TA301-17 | 15                   | 5    | -     |
|              | TA321-7 | TA321-7 | TA321-17 | 15                   | 3.75 | -     |
|              | TA34-7  | TA34-7  | TA34-17  | 10                   | 3.75 | 1.25  |
| 150          | TA3P-7  | TA3P-7  | TA3P-17  | 45                   | 20   | 10    |
|              | P80-7   | P80-7   | P80-17   | 20                   | 10   | 5     |
|              | TA301-7 | TA301-7 | TA301-17 | 15                   | 5    | -     |
|              | TA321-7 | TA321-7 | TA321-17 | 20                   | 7.5  | 1.25  |
|              | TA34-7  | TA34-7  | TA34-17  | 15                   | 5    | 2.5   |
| 200          | TA3P-7  | TA3P-7  | TA3P-17  | 45                   | 30   | 20    |
|              | P80-7   | P80-7   | P80-17   | 45                   | 20   | 5     |
|              | TA301-7 | TA301-7 | TA301-17 | 20                   | 10   | 5     |
|              | TA321-7 | TA321-7 | TA321-17 | 20                   | 10   | 5     |
|              | TA34-7  | TA34-7  | TA34-17  | 20                   | 10   | 5     |
| 250          | TA3P-7  | TA3P-7  | TA3P-17  | 60                   | 45   | 30    |
|              | P80-7   | P80-7   | P80-17   | 45                   | 20   | 10    |
|              | TA301-7 | TA301-7 | TA301-17 | 30                   | 20   | 10    |
|              | TA321-7 | TA321-7 | TA321-17 | 30                   | 20   | 7.5   |
|              | TA34-7  | TA34-7  | TA34-17  | 30                   | 10   | 5     |
| 300          | TA3P-7  | TA3P-7  | TA3P-17  | 60                   | 60   | 45    |
|              | P80-7   | P80-7   | P80-17   | 45                   | 30   | 15    |
| TA301-7      | TA301-7 | TA301-7 | TA301-17 | 30                   | 20   | 15    |
|              | TA321-7 | TA321-7 | TA321-17 | 30                   | 15   | 10    |
|              | TA34-7  | TA34-7  | TA34-17  | 30                   | 20   | 10    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 60    |
| 400          | TA3P-7  | TA3P-7  | TA3P-17  | 60                   | 60   | 60    |
|              | P80-7   | P80-7   | P80-17   | 60                   | 45   | 20    |
|              | TA301-7 | TA301-7 | TA301-17 | 60                   | 30   | 20    |
|              | TA321-7 | TA321-7 | TA321-17 | 45                   | 30   | 20    |
|              | TA34-7  | TA34-7  | TA34-17  | 45                   | 20   | 15    |
| 500          | TA3P-7  | TA3P-7  | TA3P-17  | 60                   | 60   | 60    |
|              | P80-7   | P80-7   | P80-17   | 60                   | 60   | 45    |
| 750 to 800   | TA301-7 | TA301-7 | TA301-17 | 60                   | 45   | 30    |
|              | TA321-7 | TA321-7 | TA321-17 | 60                   | 45   | 30    |
|              | TA34-7  | TA34-7  | TA34-17  | 60                   | 45   | 30    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 45    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 45    |
| 1000         | P80-7   | P80-7   | P80-17   | 60                   | 60   | 45    |
|              | TA301-7 | TA301-7 | TA301-17 | 60                   | 60   | 45    |
|              | TA321-7 | TA321-7 | TA321-17 | 60                   | 45   | 45    |
|              | TA34-7  | TA34-7  | TA34-17  | 60                   | 60   | 60    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 45    |
| 1250         | P80-7   | P80-7   | P80-17   | 60                   | 60   | 45    |
|              | TA301-7 | TA301-7 | TA301-17 | 60                   | 60   | 45    |
| TA321-7      | TA321-7 | TA321-7 | TA321-17 | 60                   | 60   | 45    |
|              | TA34-7  | TA34-7  | TA34-17  | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 60    |
| 1500         | P80-7   | P80-7   | P80-17   | 60                   | 60   | 45    |
|              | TA301-7 | TA301-7 | TA301-17 | 60                   | 60   | 45    |
|              | TA321-7 | TA321-7 | TA321-17 | 60                   | 45   | 45    |
|              | TA34-7  | TA34-7  | TA34-17  | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
| 2000         | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 60    |
|              | P80-7   | P80-7   | P80-17   | 60                   | 60   | 45    |
|              | TA34-7  | TA34-7  | TA34-17  | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 60    |
| 2500         | TA34-7  | TA34-7  | TA34-17  | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 45    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA316-7 | TA316-7 | TA316-17 | 60                   | 60   | 45    |
| 3000         | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
| 5000 to 8000 | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |
|              | TA312-7 | TA312-7 | TA312-17 | 60                   | 60   | 60    |

## Dimensions

| Type     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H*<br>mm | J*<br>mm | K<br>mm | L*<br>mm | M<br>mm | Primary conductor<br>bar or Ø |
|----------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|----------|---------|-------------------------------|
| TA301-7  | 88      | 123     | 216 (1) | 52      | 16      | 69      | 63      | 65       | 72       | 30      | -        | 15      | 1 to 2 bars 50x5              |
| TA316-7  | 155     | 155     | 280 (1) | 52      | 52      | 84      | 65      | 80       | 100      | 30      | -        | 15      | 1 to 3 bars 50x10             |
| TA321-7  | 87      | 144     | 300 (1) | 70      | 16      | 81      | 85      | 72       | 114      | 20      | -        | 15      | 1 bar 60x15                   |
| TA34-7   | 137     | 190     | 300 (1) | 85      | 20      | 88      | 103     | 80       | 110      | 30      | -        | 15      | 1 to 2 bars 80x5              |
| TA312-7  | 226     | 209     | 280 (1) | 85      | 102     | 90.5    | 105     | 100      | 90       | 40      | -        | 15      | 1 to 2 bars 100x20            |
| TA3P-7   | 104     | 112     | 200 (1) | 86      | 18      | 66      | 30      | 56       | 72       | 35      | 42       | 15      | Ø 16                          |
| P80-S7   | 150     | 150     | 280 (2) | 137     | 18      | 75      | 30      | 56       | 113      | 30      | 44       | 15      | Ø 16                          |
| P80-7    | 150     | 150     | 310 (2) | 137     | 60      | 75      | 80      | 56       | 128      | 30      | 44       | 15      | Ø 50                          |
| TA301-17 | 88      | 123     | 500     | 44      | 8       | 69      | 63      | 65       | 214      | 30      | -        | 15      | 1 bar 40x8                    |
| TA321-17 | 87      | 144     | 500     | 70      | 12      | 81      | 85      | 72       | 214      | 20      | -        | 15      | 1 bar 60x8                    |
| TA34-17  | 137     | 190     | 500     | 85      | 20      | 101     | 103     | 80       | 210      | 30      | -        | 15      | 1 to 2 bars 80x5              |
| TA312-17 | 226     | 209     | 500     | 85      | 102     | 111     | 105     | 100      | 200      | 40      | -        | 15      | 1 to 2 bars 100x20            |
| TA 3P-17 | 104     | 112     | 430     | 86      | 18      | 66      | 40      | 56       | 192      | 35      | 42       | 15      | Ø 18                          |
| P80-S17  | 150     | 150     | 430     | 137     | 18      | 75      | 40      | 56       | 193      | 30      | 44       | 15      | Ø 18                          |
| P80-17   | 150     | 150     | 500     | 137     | 50      | 75      | 80      | 56       | 223      | 30      | 44       | 15      | Ø 45                          |

\*Dimensions H, J, L can vary according to electrical performances (spacer)  
(1) up to 500mm maximum. Specific size to be quoted on offer  
(2) up to 430mm maximum. Specific size to be quoted on offer

\* Tightening torque terminal M5 : 2 N.m

TA...

TA3P-7 - TA3P-17 - P80-7 - P80-17...

