

Accessories

Split-core Current Transformer, 1-Phase AC

Type SCT166/165

CARLO GAVAZZI



- Split-core current transformer
- Cable/bus-bar type current transformer
- 5A (or 1A on request) secondary current
- Class 0.5 available on request

Product Description

These split core current transformers can be used for currents from 800A to 4000A. The current transformers are made according to BS3938, EN60044-1 and DIN42600 standards.

Ordering Key

SCT166165 8005A C1

Model _____
 Primary current _____
 Secondary current _____
 Accuracy class _____

Type Selection

| Model SCT166/165 | Primary Current | Secondary current | Accuracy class |
|---------------------------|----------------------|-----------------------|---|
| Bus-bar size: 62 x 167 mm | Refer to Range Table | 5A 1A (on request) | 1 ... 3 (see table) 0.5 (on request) |

Input Specifications

| | |
|---------------------------|--|
| Operating frequency | 50 to 60 Hz |
| Max. system voltage | 0.72 kV |
| Rated insulation level | 4kV _{RMS} , 50Hz, 1 min |
| Short-time current rating | 60 I _n 2.5 x I _{th} |
| Extended current rating | 120% |
| Security factor (FS) | 5, 10 |

Output Specifications

| | |
|-------------------------|-------------------------|
| Rated secondary current | 5 A 1 A (on request) |
|-------------------------|-------------------------|

General Specifications

| | |
|---------------------------|--|
| Insulation class | E (MAX 120°C) |
| Protection | IP00 |
| Working temperature range | -20 to 45°C |
| Storage temperature | -50 to 80°C |
| Standards | According to BS3938, EN60044-1 and DIN42600 |
| Connection | M5 screw easy to handle and securing low contact resistance. |
| Housing | ABS, self-extinguishing: UL 94 V-0 |
| Mounting | Bus-bar |
| Standard accessories | None |
| Accessories on request | None |
| Special features | The terminal cover is fitted for a lead seal. This execution complies with the VGB4 protection of DIN57106 standard. |
| Cable diameter | Max. 62 mm |
| Bus-bar size | 62 x 167 mm |



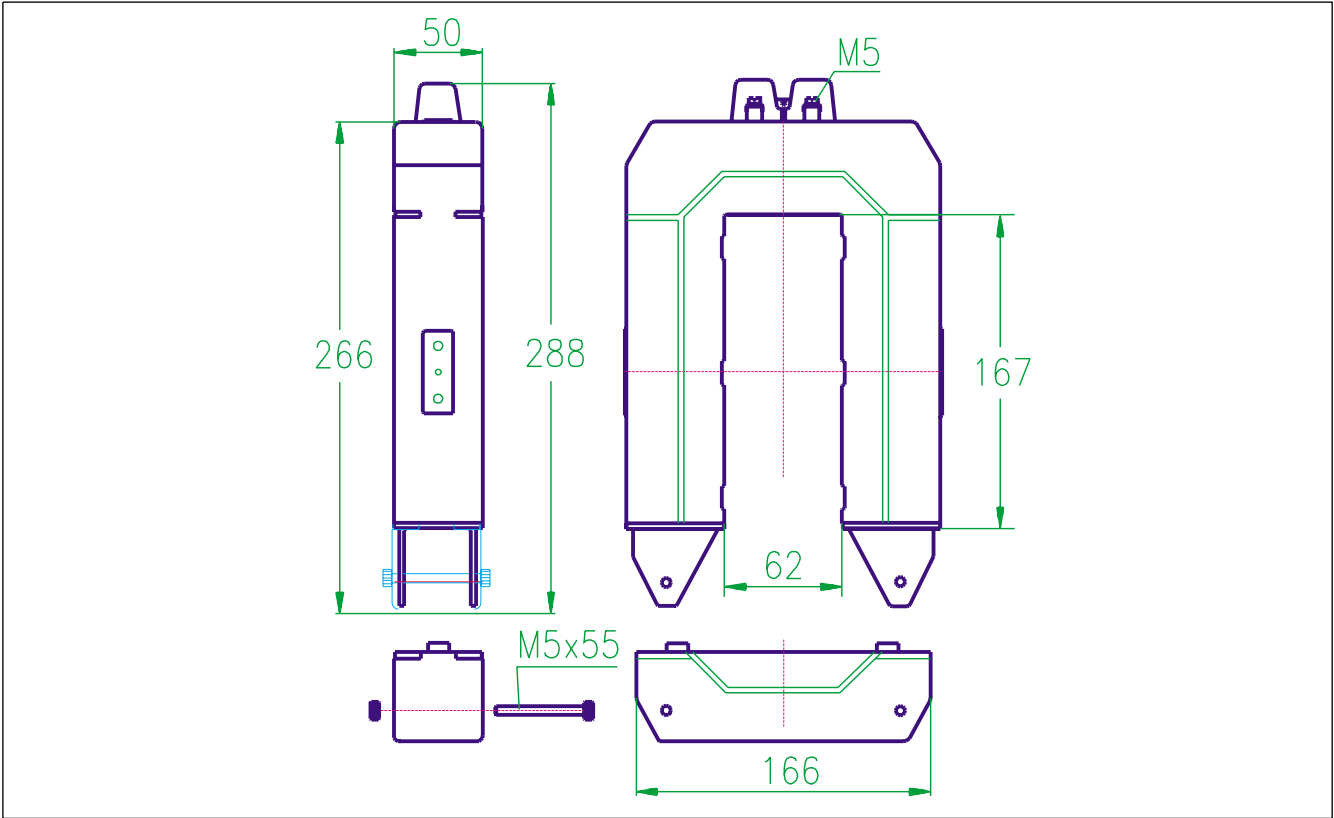
Range Table

| Rated Primary Current | Rated secondary current 5 A (1 A on request) | | | Primary Current | Class 1 Burden (VA) | Class 3 Burden | Class 0.5 (*) Burden |
|-----------------------------|--|-------------------|-------------------------|--------------------|------------------------|-------------------|-------------------------|
| | Class 1 Burden | Class 3 Burden | Class 0.5 (*) Burden | | | | |
| 800 A | 5 VA | 7.5 VA | - | 2000 A | 5/10/15/20 | 30 VA | 5/10/15 VA |
| 1000 A | 5/7.5 VA | 10 VA | - | 2500 A | 5/10/15/20 | 30 VA | - |
| 1250 A | 5/10 VA | 15 VA | 1.5 VA | 3000 A | 5/10/15/30 | - | 5/10/15/30 VA |
| 1500 A | 5/10/15 VA | 20 VA | 2.5 VA | 4000 A | 5/10/15/30 | - | 5/10/15/30 VA |
| 1600 A | 5/10/15 VA | 30 VA | 5 VA | | | | |

Note: every accuracy class is showing many Burden values: the first value (e.g. 5 out of 5/10/15VA) is available as standard, while the other ones are available on request.

* On request

Dimensions (mm)



Wiring Diagram

