

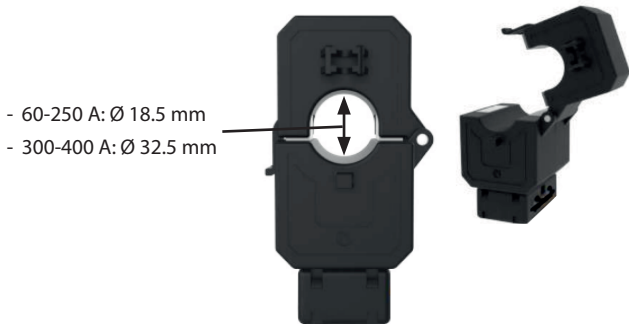
## Trans-Open current transformers

Cat. Nos: TAMS S 10 B 600/C 100/C 150/C 20/C 250/C 300/C 400  
TAMS S 50 B 600/C 100/C 150/C 200/C 250/C 300/C 400



### 1. USE

Single-phase current transformer, primary current from 60 A to 400 A and secondary current from 1 A or 5 A.



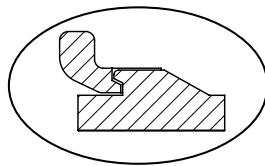
Comes with:

- Provided with 3 Meter wire for 1 A Output;
- Provided with 1 Meter wire for 5 A Output.

Vibration resistant.

Swing open for ease of installation.

Locking system against accidental openings.



Only suitable for mounting on insulated primary conductor.

#### ■ 1.1 Secondary 1 A

References	Primary current (A)	CL. 0.5 (VA)	CL. 1 (VA)	CL. 3 (VA)	Security factor (FS)	Max. power dissipation* (W)
TAMS 10 B 600	60	-	-	1	15	1.16
TAMS 10 C 100	100	-	-	1	15	1.45
TAMS 10 C 150	150	-	1	-	20	2.1
TAMS 10 C 200	200	0.2	1.5	-	20	2.6
TAMS 10 C 250	250	0.5	2.5	-	15	2.96
TAMS 10 C 300	300	-	1	-	10	2.9
TAMS 10 C 400	400	0.5	1.5	-	15	2.9

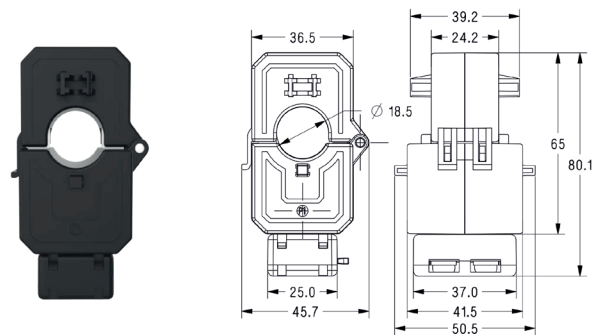
#### ■ 1.2 Secondary 5 A

References	Primary current (A)	CL. 0.5 (VA)	CL. 1 (VA)	CL. 3 (VA)	CL. 5 (VA)	Security factor (FS)	Max. power dissip.* (W)
TAMS 50 B 600	60	-	-	-	1	15	2.4
TAMS 50 C 100	100	-	-	1	-	15	2.7
TAMS 50 C 150	150	-	1	-	-	20	2.4
TAMS 50 C 200	200	-	1.5	-	-	20	2.9
TAMS 50 C 250	250	0.5	2	-	-	20	3.4
TAMS 50 C 300	300	-	1	-	-	10	3.35
TAMS 50 C 400	400	-	1.5	-	-	15	4.2

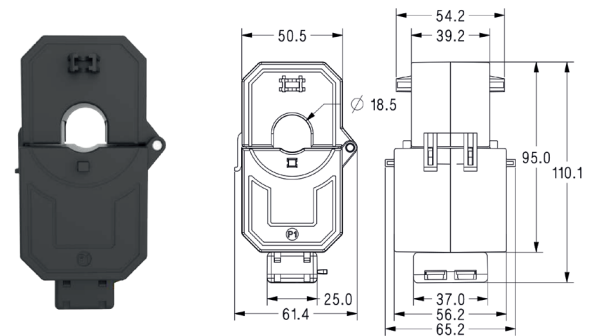
\*Max. power dissipation @ lcth.

### 2. DIMENSIONS (mm)

#### • 60-100 A

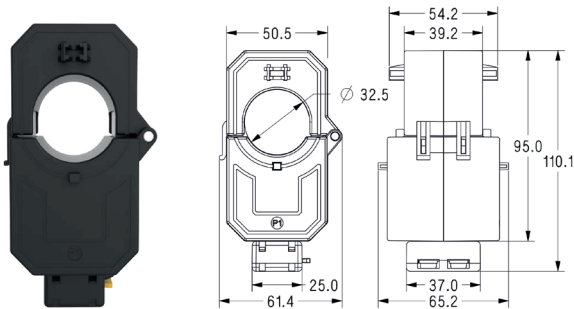


#### • 150-200-250 A



**2. DIMENSIONS (mm) (continued)**

• 300-400 A



**2.1 Protection**

Housing material: self extinguishing.  
Protection degree (EN 60529): IP 20  
Weight: 420 grams (max.)

**3. CONNECTIONS**

**3.1 Primary**

Passing isolated cable.  
Fixing cable: with ties.

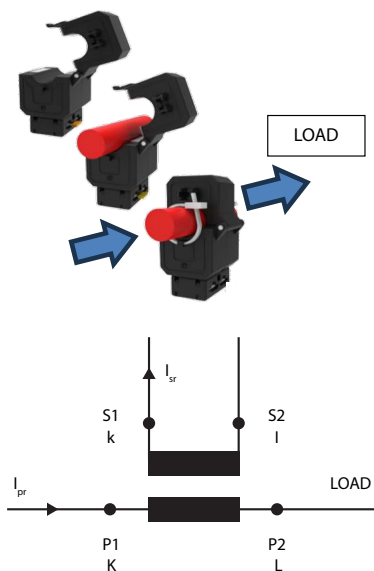
**3.2 Secondary**

2 screw terminals.  
Max. tightening torque: 0.75 Nm

**3.3 Connections label**

Primary winding: P1 (K)-P2 (L)  
Secondary winding: s1 (k)-s2 (l)

**3.4 Wiring diagram**



**4. TECHNICAL CHARACTERISTICS**

**4.1 Electrical characteristics**

Rated primary current  $I_{pr}$ : 60 to 400 A  
Rated secondary current  $I_{sr}$ : 1-5 A  
Rated dynamic current  $I_{dyn}$ :  $2.5 I_{th}$   
Rated continuous thermal current:  $1.2 \times I_n$   
Rated short-time thermal current  $I_{th}$ :  $< 60 I_{pr}$   
Rated short-time thermal current:  $60 \times I_n$ ; 1 sec  
Rated frequency (Fn): 50 Hz or 60 Hz  
Rated burden: 1 to 2.5 VA (see table).  
Accuracy class: cl. 0.5-1-3-5 (see table).  
Instrument security factor (FS):  $\leq 20$  (see table).

**4.2 Insulation characteristics**

Dry transformer, air insulation.  
Highest voltage for equipment  $U_m$ : 0.72 kV (effective value).  
Rated insulation level: 3 kV effective value 50 Hz/1 min  
Class of insulation (IEC/EN 61869-1, IEC/EN 61869-2).

**4.3 Climatic characteristics**

To be used in a dry place protected from bad weather.  
Non-exposed installation (IEC/EN 61869-1, IEC/EN 61869-2).  
Nominal temperature range: -25 to 40 °C  
Limit temperature range for storage: -30 to + 60 °C  
Reference temperature: 23 °C  $\pm$  1 °C  
Relative humidity:  $\leq 90\%$  (Non Condensing).  
Suitable for tropical climates.

**5. CONFORMITY AND CERTIFICATIONS**

Standards and regulations: IEC/EN 61869-1, IEC/EN 61869-2