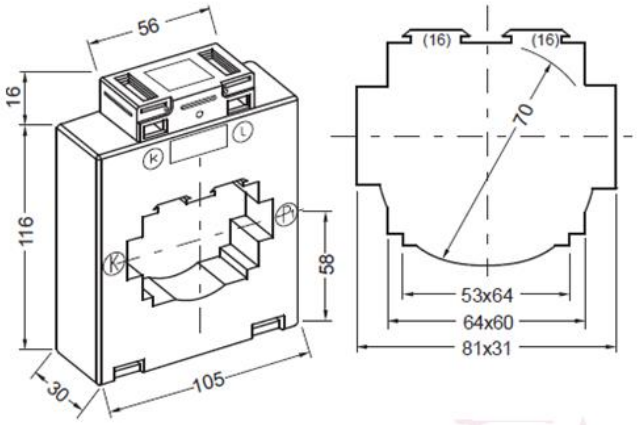
BUSBAR TYPE CURRENT TRANSFORMER 10A830.3 [ffp5 / ffp10]



Round conductor	70 mm
Primary busbar	2 x 80 x 10 mm 3 x 60 x 10 mm 3 x 50 x 10 mm
Weight	340 – 440 g

I_{sec}	Cl.	RATED PRIMARY CURRENT Ipr											A
		400	500	600	750	800	1000	1250	1500	1600	2000*	2500 *	
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
		5	5	5	5	5	5	5	5	5	5	5	
				7,5	10	10	10	10	10	10	10	10	
												15	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		5	5	5	5	5	5	5	5	5	5	5	
				7,5	7,5	10	10	10	10	10	10	10	
												15	
	0,5S		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
				5	5	5	5	5	5	5	5	5	
						7,5	10	10	10	10	10	10	
												15	
	0,2					2,5	2,5	2,5	2,5	2,5	2,5	2,5	
							5	5	5	5	5	5	
									10	10	10	10	
												15	
	0,2S								2,5	2,5	2,5	2,5	
									5	5	5	5	
												10	
1 A	1		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			VA
			5	5	5	5	5	5	5	5			
					7,5	7,5	10	10	10	10			
	0,5		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			
				5	5	5	5	5	5	5			
					7,5	7,5	10	10	10	10			
	0,5S			2,5	2,5	2,5	2,5	2,5	2,5	2,5			
					5	5	5	5	5	5			
								10	10	10			
	0,2					2,5	2,5	2,5	2,5	2,5			
								5	5	5			
									10	10			
	0,2S								2,5	2,5			

* $I_{cth} = 1,0 \times I_{pr}$

ACCESSORIES (INCLUDED IN THE SCOPE OF SUPPLY):

- 2 pcs. primary busbar fixing clamps (type 16)
- 4 pcs. headless set screws M5x55
- 2 pcs. secondary terminal cover (yellow sliders)
- 4 pcs. pressure protective caps for primary busbar set screws

OPTIONAL ACCESSORIES:

- Primary busbar quick fixing set (type 16-65)
- Snap-on mounting brackets for rail TS35 (DIN EN 60715)
- Insulating protective caps for primary busbar set screws
- Mounting feet

GENERAL TECHNICAL DATA:

Highest voltage for equipment U_m	0,72 kV
Rated power frequency withstand voltage (r.m.s.)	3 kV / 1 min
Rated frequency	50 / 60 Hz
Rated continuous thermal current I_{cth}	1,0 / 1,2 x I_{pr}
Instrument security factor	FS5 or FS10
Rated short-time thermal current I_{th}	60 x I_{pr} for 1 sec; max 100 kA for 1 sec
Rated dynamic current I_{dyn}	2,5 x I_{th}
Environmental conditions	Indoor use
Ambient air temperature (operating)	-5°C … +40°C (other temperatures on request)
Ambient air temperature (storage / transport)	-40°C … +60°C
Short-term temperature of primary conductor	Max. 170°C for 1 sec
Insulating class	H
Standards	DIN EN 61869 /1 + 2; DIN VDE 0414
Enclosure	Break-proof polyamide, flame retardant
Secondary terminals	Nickel-plated crosshead screws (2 Nm), integrated secondary terminal cover

If the distance between the current transformer and close-by current-carrying conductors is short, the measurement accuracy can be influenced by external magnetic field effects. Please ensure sufficient phase-to-phase clearance (at least 0.2 m) when using current transformers, especially from 2000 A or use optional design with external field protection (ffp5 / ffp10).

SPECIAL DESIGNS (UPON REQUEST):

- [ffp5 / ffp10] external magnetic field protection, see data sheet 10A830.3ffp5 / ffp10
- Other ratios, burdens or accuracy classes
- Secondary reconnection
- Cast resin encapsulation
- Highest voltage for equipment 1,2 kV