48290504

Socomec TE-45 Solid Core CT 160-630A 31 x 31mm Holes 45mm 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

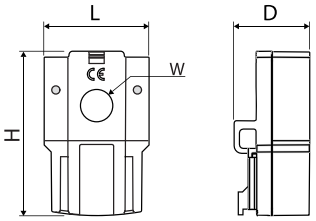
The Socomec Solid Core CTs are designed for use with Diris A-40, A-200, and Digiware I modules. They are quick to install, have a wide range of nominal current, and are highly accurate. Each CT is sold with a wide range of accessories to allow for flexibility in installation position within a switchboard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

ELECTRICAL	**Primary rated current**	630 A
	Secondary current on CT	0.1 A
	Rated operating frequency	50-60 Hz
	Max. operating voltage (Umax)	300 V
	Rated short time thermal current Ith (x primary current)	6.3 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**	31 mm
	Height opening	31-31 mm
	Width opening	31-31 mm
ENVIRONMENT	**Storage temperature**	-25…85 °C

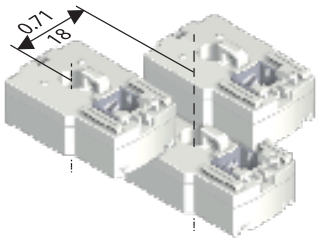
DIMENSIONAL DIAGRAM

Dual dimension in/mm

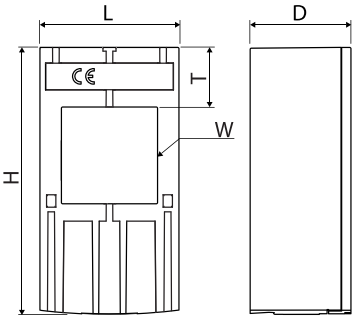
	LxHxD	ØW	T	Pitch	I nom.	I max.
TE- 18	1.10 x 1.77 x 0.79 28 x 45 x 20	ø0.33 ø 8.4	-	18	5...20A	24A
TE- 18	1.10 x 1.77 x 0.79 28 x 45 x 20	ø0.33 ø 8.4	-	18	25...63A	75.6A
ΔIC Ø8	1.10 x 1.77 x 0.79 28 x 45 x 20	ø0.33 ø 8.4	-	18	2A	3A



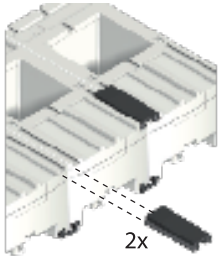
TE-18 / ΔIC Ø8



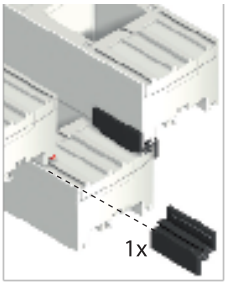
	LxHxD	ØW	T	Pitch	I nom.	I max.
TE- 25	0.98 x 2.56 x 1.28 25 x 65 x 32.5	0.53 x 0.53 13.5 x 13.5	0.69 17.5	25	40...160A	192A
TE- 35	1.37 x 2.79 x 1.28 35 x 71 x 32.5	0.82 x 0.82 21 x 21	0.69 17.5	35	63...250A	300A
TE- 45	1.77 x 3.38 x 1.28 45 x 86 x 32.5	1.22 x 1.22 31 x 31	0.77 19.5	45	60...630A	756A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



TE-25 - > TE-55



TE-35 - > TE-55



TE-25 - > TE-55

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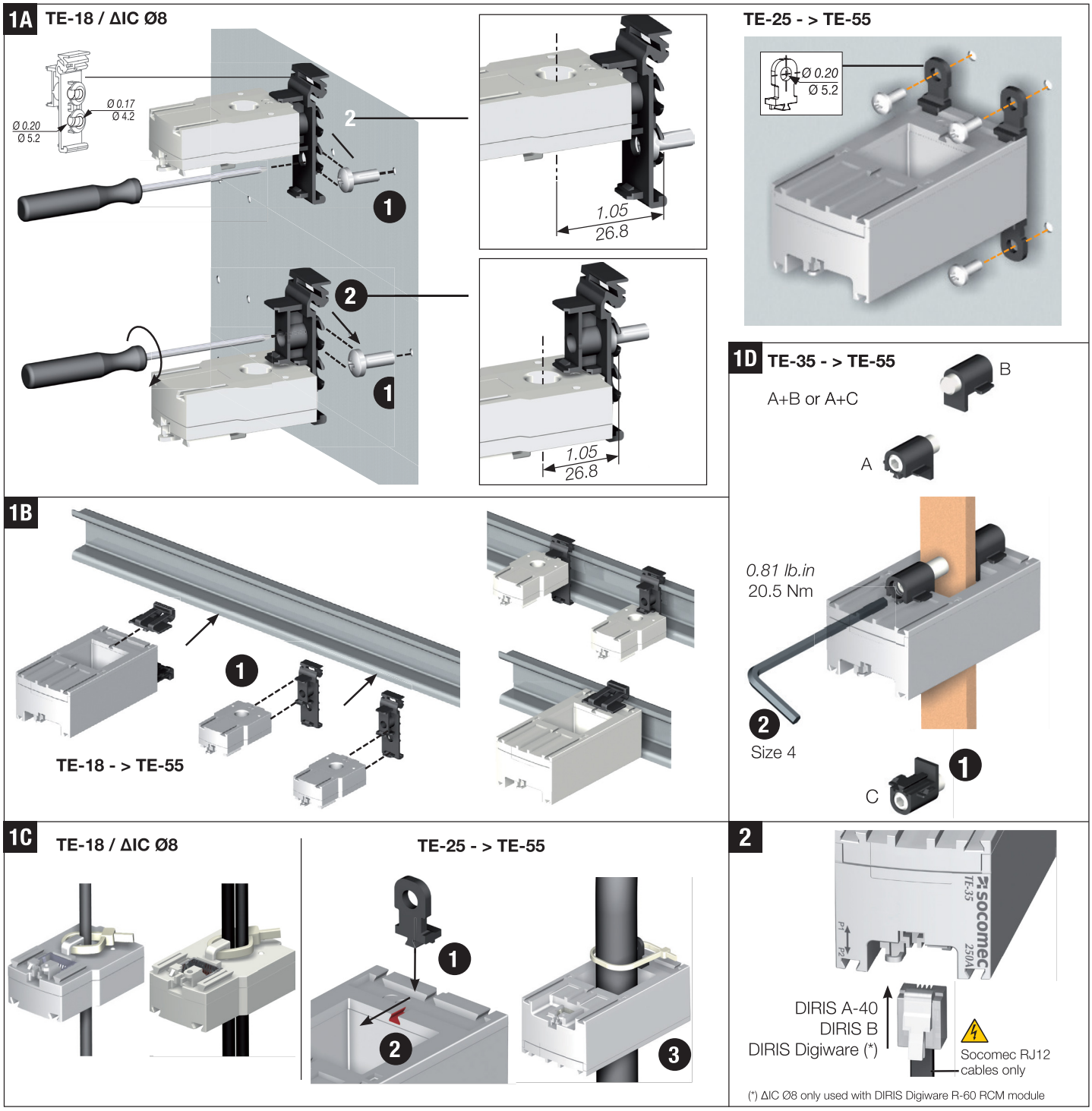
CURRENT TRANSFORMERS AND TRANSDUCERS

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

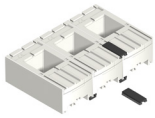
Item No: 48290593
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 1m

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

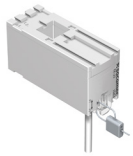
Item No: 48290595
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.5m

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