

MEDIUM VOLTAGE PRODUCT

KOLMA, KOLA

Indoor cable current transformers



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01 Difference of secondary connection between multi-tap KOLMA 06 A1 and KOLMA 06 D1 and single ratio types

Technical parameters	Values	
	KOLMA	KOLA
Highest voltage for equipment	0.72 kV	
Rated power-frequency withstand voltage	3 kV	
Rated lightning impulse withstand voltage	-	
Rated frequency fR	50 or 60 Hz	
Rated primary current, I_{pr}		
Rated secondary current I_{sr}	1 or 5 A	
Rated short-time thermal current, I_{th}	$60 \times I_{pr}$	
Rated dynamic current, I_{dyn}	$2,5 \times I_{th}$	
Operating temperature range	$-25 \sim +40^{\circ}\text{C}$	

NOTE: other parameters on request

Description

The transformers KOLMA are suitable for measuring of the sum of three phase current in a three phase cable. Transformers are usually used together with earth-fault protection relay.

The cable current transformers KOLA are suitable for wide range of applications. They are mainly used for residual current metering together with earth-fault protection relay. Thanks to its construction the transformer can be installed without disconnecting the cable.

How to select the correct residual current transformer

The transformer for an earth-fault relay is selected according to dimension of the window and construction of the transformer. For types KOLMA 06 A1 and KOLMA 06 D1 is easy to test by means of the transformer test winding (terminals P1x – P2x). The test winding is rated for 6 A maximum continuous current.

KOLMA, KOLA overview

Type	Ø [mm]	Construction
KOLMA 06 A1	90	Ring core, multi-tap
KOLMA 06 A2	58	Ring core
KOLMA 06 B2	100	Ring core
KOLMA 06 D1	180	Ring core, multi-tap
KOLMA 06 D2	180	Ring core
KOLA 06 B2	100	Split ring core
KOLA 06D2	180	Split ring core
KOLA 06 J2	497 x 300	Split window type

Ratio I_{pn}/I_{sn} [A]	Secondary terminals	Burden [VA]	
		KOLMA 06 A1	KOLMA 06 D1
50/1	S4-S5	1.0	0.5
70/1	S3-S4	2.0	1.0
100/1	S1-S4	2.5	2.0
150/1	S1-S5	5.0	4.0
50/5	S1-S2	1.0	0.5
100/5	S2-S3	2.5	1.5
150/5	S1-S3	4.0	3.0
250/5	S4-S5	7.5	5.0
350/5	S3-S4	10	7.5
500/5	S1-S4	15	10
600/5	S3-S5	20	15
750/5	S1-S5	20	15

Ratios and the rated burden for accuracy class 10P10.

Ordering data

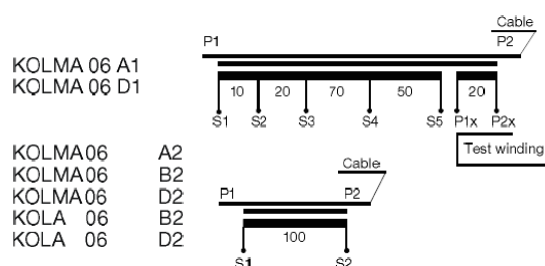
The order should contain the following data:

- Type of current transformer
- Rated primary current/rated secondary current [A/A]
- Rated burden and accuracy class for each winding [VA]
- Short-time thermal current I_{th}
- Dimension of the window [mm]
- Standard
- Quantity

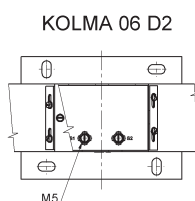
Order example

KOLMA 06 B2; 100/1 A/A; 2 VA; 10P10; $I_{th} = 60 \times I_{pn}/1s$; IEC 61869-2; 12 pcs.

Number of turns and terminal markings

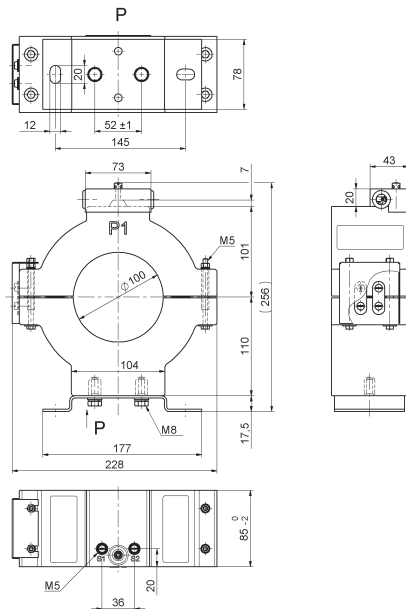


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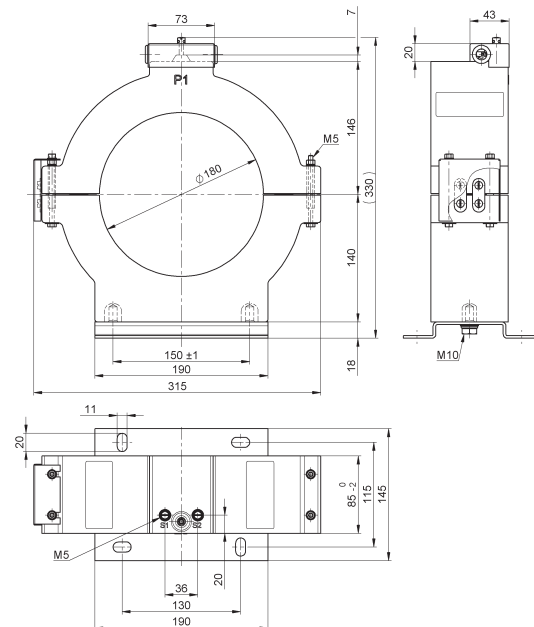


KOLA 06 B2

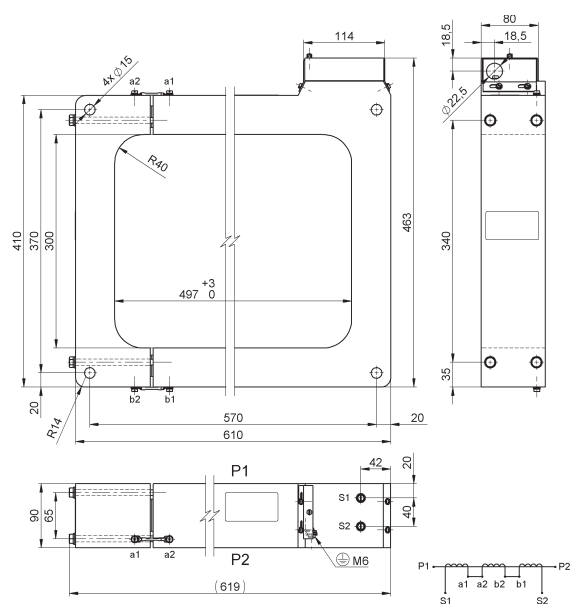
Weight: app. 8 kg

**KOLA 06 D2**

Weight: app. 12,5 kg

**KOLA 06 J2**

Weight: app. 32 kg



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