

Outdoor current transformer

EZD 7961 is the outdoor, medium voltage instrument transformer casted in HCEP resin insulation, capable to withstand outdoor environmental conditions, and designed for insulation voltages up to 36 kV. This type transformer is suitable for measuring in railway network system 16,7 Hz, and served as a part of switch disconnecter.



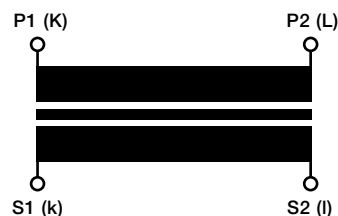
Description

The EZD 7961 is designed as single turn transformer, with one secondary winding. The secondary winding is used for measurement purposes. One terminal of the secondary winding is used, and one unused terminal must be grounded during the transformer operation

The transformer body is fixed by using four screws. For handling and transport purpose only, the transformer is placed on wooden boxes.

The secondary winding is led out into cast secondary terminals, covered by a sealable cover.

Marking of the current transformer outlets



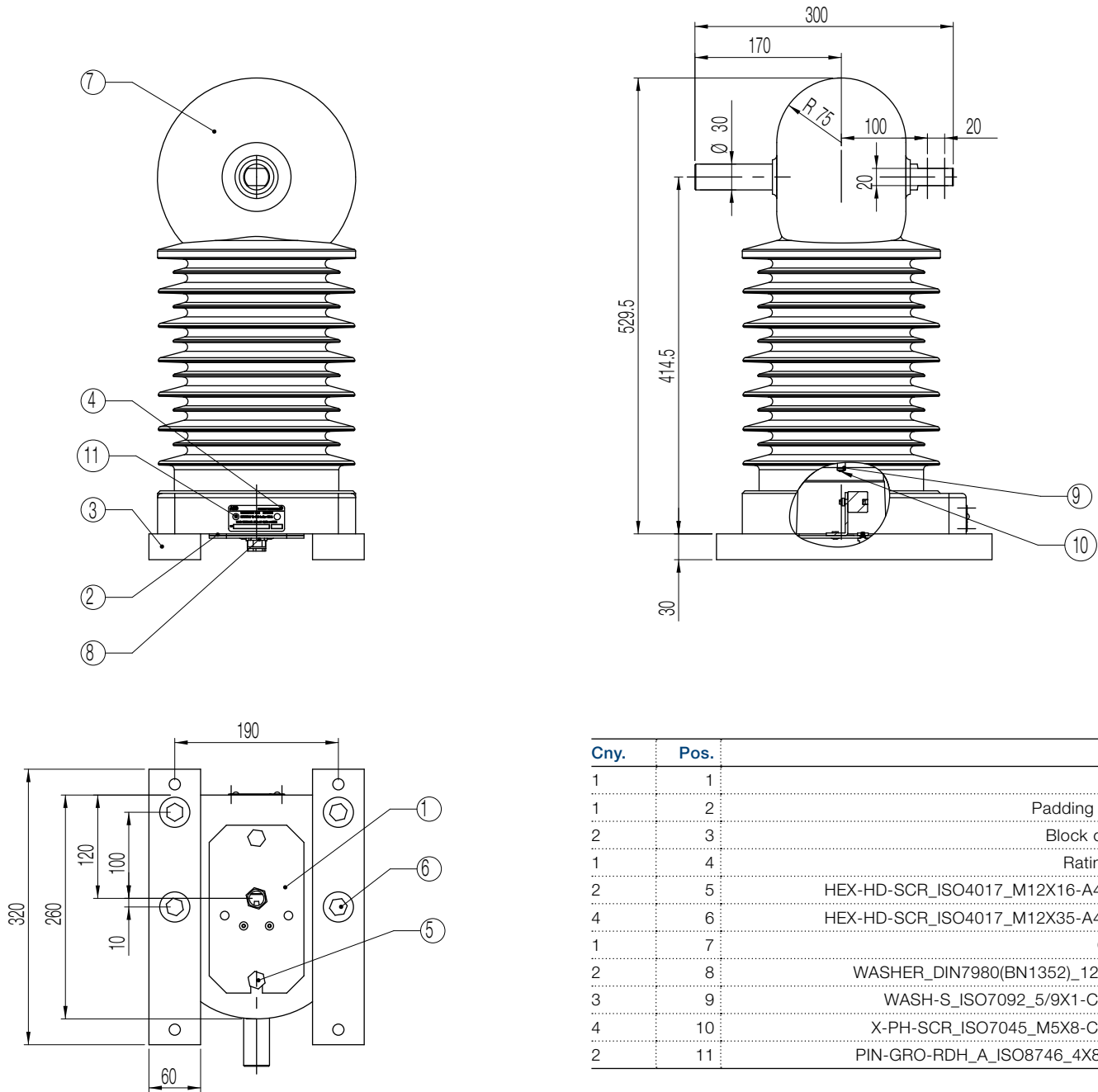
Parameters

Rated primary current	[A]	
Rated continuous thermal current		1,5 x I _{pn} (ext. 150%)
Rated secondary current	[A]	1,6
Rated frequency	[Hz]	16,7
Highest voltage for equipment	[kV]	36
Rated power-frequency withstand voltage	[kV]	70
Rated lightning impulse withstand voltage	[kV]	170
Rated short time thermal current (1 sec.)	[kA]	40
Rated dynamic current	[kA]	100
Rated burden / class	[VA]	25
Temperature Class		E
Ambient temperature range	[°C]	-40° / +55°C

Compliance with standards

IEC 60044-1	Instrument Transformers (mandatory)
IEC 61869-1	Instrument Transformers. - Part 1: General requirements
IEC 62505-3-2 (EN 50152-3-2)	Railway Applications - Fixed Installations
IEC 60850	Railway applications - Supply voltages of traction systems

Dimensions



Cny.	Pos.	Title
1	1	Cover
1	2	Padding Rubber
2	3	Block of wood
1	4	Rating Plate
2	5	HEX-HD-SCR_ISO4017_M12X16-A4-70/PL
4	6	HEX-HD-SCR_ISO4017_M12X35-A4-70/PL
1	7	Casting
2	8	WASHER_DIN7980(BN1352)_12_A4/PL
3	9	WASH-S_ISO7092_5/9X1-CUZNI
4	10	X-PH-SCR_ISO7045_M5X8-CUZNI
2	11	PIN-GRO-RDH_A_ISO8746_4X8-A2/PL

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