

SECONDARY RESISTOR SR

SR 250A_60s-STANDARD REVD

Type: SR 250A/0,5kV/KB60s

Rated resistance: 2,0 Ohm
Rated voltage U_r : 0,5 kV
Initial rated short time current: 250 A
Short time operation: 60 s
Continuous operation: 0% U_r

Essential to this offer is valid version of General Technical Description for Secondary Resistors SR (EGE document ELAT 200.9). In case of conflict of information in these two documents this offer takes the priority.

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 EGE, spol. s r.o. České Budějovice www.ege.cz	OFFER SECONDARY RESISTOR TECHNICAL SPECIFICATION	STANDARD
		Revision: D
		Page: 2/4
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Secondary Resistor Specification

Housing material	Stainless steel 1.4016 acc. to DIN EN 10088 without painting *1
Resistor grid material	Stainless steel 1.4016 acc. to DIN EN 10088 *1
Fasteners	Stainless steel A2 *1
Cable gland material	Nickel-plated brass *1
Product designed acc. to	IEC 60076-6 annex G
Location	Outdoor (≤ 1000 a.s.l.)
Seismic conditions	--
Insulation	Porcelain insulators, cast resin insulators, air, mica
Protection degree of resistor housing	IP 23 acc. to IEC 60529 Ed.2.2
Protection degree of resistor control box	IP 54 cat.2 acc. to IEC 60529 Ed.2.2
Type of cooling	AN
Min./Max. ambient temperature	-40/+40 °C
Frequency	50 Hz
Insulation level	AC3 acc. to IEC 60071-1
Rated voltage (U _r)	500 V (+10% overvoltage)
Resistance at 20°C	2,0 Ω ± 10%
Initial rated short time current	250 A *2
Rated short time operation	60 s
Rated continuous operation	0%U _r (~0A *2)
Max. temperature rise during short time operation	< 760 K acc. to IEEE Std C57.32:2015
Max. temperature rise during continuous operation	--
Lifting equipment	4x lifting eye bolt (nut) size M10 acc. to DIN580/582 Inner diameter of the eye 25mm
Type of incoming power cable connection	Cable gland M32 (Clamping range 11..21 mm) type SKINTOP COLD Cable is not a scope of supply Connection to incoming contactor terminal – hole Ø 11mm
Type of earth side power cable connection	Cable gland M32 (Clamping range 11..21 mm) type SKINTOP COLD Cable is not a scope of supply Connection to post insulator terminal – bolt M10
Type of control and signal cable connection	Cable glands 2xM32 (Clamping range 11..21 mm) type SKINTOP COLD Cable is not a scope of supply Connection to terminals 3031212 PHOENIX CONTACT
Housing earthing terminals	1x bolt M12 on the side of resistor
Control voltage	100-250 V AC/DC
Auxiliary contacts for contactor	2 NO + 2 NC
Latching device for contactor	no
Temperature control unit	no
Current transformer	no
Wiring diagram	3-228611
Heating power supply voltage	120..240V AC

Routine tests:

- Quality control, visual check
- Dimensions and devices check
- Withstand voltage test 3 kV, 50Hz, 1 minute acc. to IEC 60060-1
- Resistance measurement at ambient temperature

Type tests: none

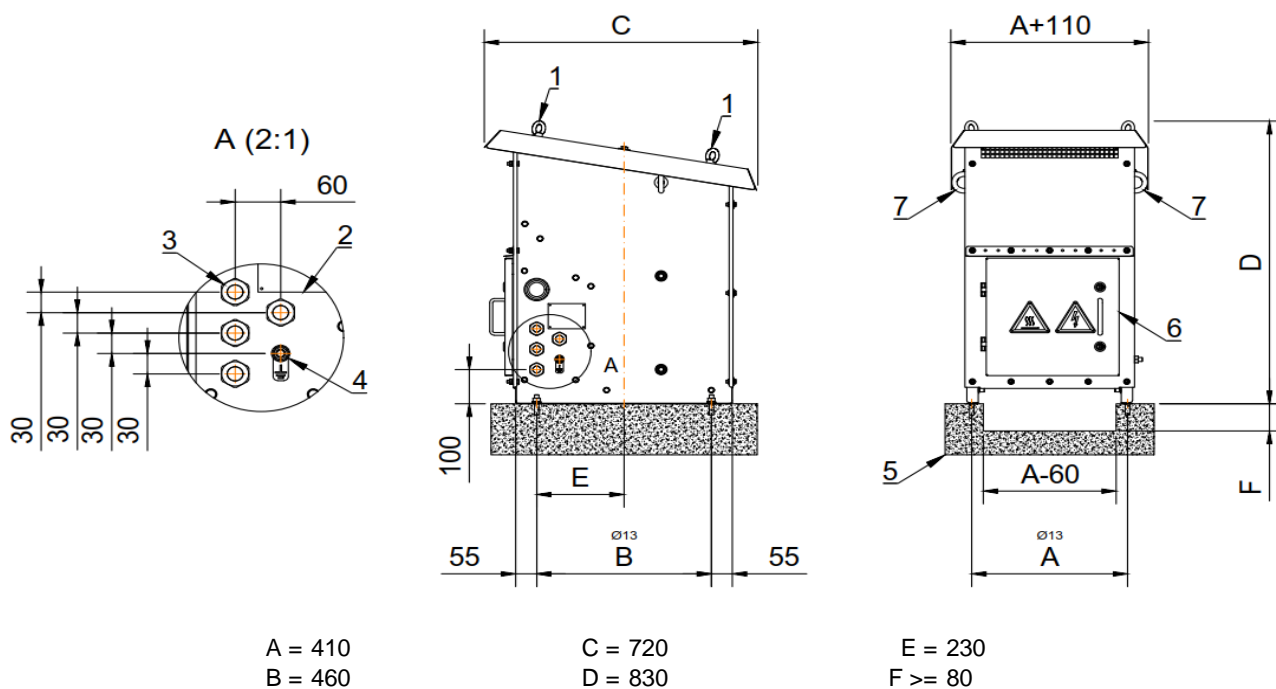
Remarks:

Parts or services those are not explicitly mentioned in this specification are not included.

*1 Please see EGE document ELAT200.9 chapters 'Operating conditions for Secondary Resistors' and 'Corrosion protection of Secondary Resistors'
It is possible to use also another materials on request (price change to be expected)
Please consider suitability of offered materials for your purposes.

*2 At the beginning of operation starting from ambient temperature. Resistor is designed for voltage source load.
Current decreases during operation.
Temperature coefficient of resistance approx. 0,00129 K-1 (stainless steel 1.4016)

Preliminary dimensional drawing



Dimensions LxWxH: 720 x 520 x 830 mm
Weight: 74 kg

1. Lifting lugs
2. Rating plate
3. 4x cable glands M32 for control and power cables: clamping range 11-21mm
4. Housing earth terminal M12
5. Concrete base ground (not part of delivery)
6. Doors for revision
7. Fastening lugs for transport

Note:

All dimensions and weight tolerances are approx. $\pm 15\%$. Values are not binding.
All pictures shown are for illustration only and are not in scale. Actual product may vary.
Final dimensional drawing will be provided in case of order for approval.