



ADC925R

**Bidirectional RCBO 1M 1P+N 6kA C-25A 30mA type A**

**Technical characteristics**

**Architecture**

Type of pole	1P+N
Curve	C

**Electric current**

Rated current	25 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	32.40 A
Rated current at -20°C	31.70 A
Rated current -15°C	31.10 A
Rated current -10°C	30.40 A
Rated current -5°C	29.70 A
Rated current at 0°C	29 A
Rated current 5°C	28.40 A
Rated current 10°C	27.70 A
Rated current 15°C	27 A
Rated current at 20°C	26.30 A
Rated current 25°C	25.70 A
Rated current 30°C	25 A
Rated current 35°C	24.30 A
Rated current at 40°C	23.70 A
Rated current at 50°C	22.30 A
Rated current 55°C	21.60 A
Rated current 60°C	21 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A

**Safety**

Residual current type	A
Ingress Protection (IP) class	IP20

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
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**Voltage**

Rated insulation voltage U <sub>i</sub>	440 V
Rated impulse withstand voltage U <sub>imp</sub>	4,000 V
Max. operating voltage	264 V
Rated operational voltage U <sub>e</sub>	230 - 230 V

#### Power

Total power loss under IN	11.38 W
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#### Frequency

Frequency	50 - 50 Hz
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#### Use conditions

Max. Altitude	2,000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C

#### Endurance

Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000

#### Connection

Cross-section of input with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 16 mm <sup>2</sup>

#### Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

#### Capacity

Number of modules	1
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#### Dimensions

Height	85 mm
Width	17.70 mm
Depth	70 mm

#### Compatibility

Suitable for DIN Rail	Yes
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