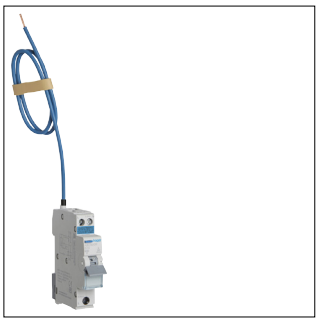
Product Datasheet
ADB920R



ADB920R

Bidirectional RCBO 1M 1P+N 6kA B-20A 30mA type A

Technical Features

Architecture

Type of pole	1P+N
Number of protected poles	1
Curve	B

Electric current

Rated current IN	20 A
Rated residual operating current Idn	30 mA
Rated current at -25°C	25.50 A
Rated current at -20°C	25 A
Rated current at -15°C	24.50 A
Rated current at -10°C	24 A
Rated current at -5°C	23.50 A
Rated current at 0°C	23 A
Rated current at 5°C	22.50 A
Rated current at 10°C	22 A
Rated current at 15°C	21.50 A
Rated current at 20°C	21 A
Rated current at 25°C	20.50 A
Rated current at 30°C	20 A
Rated current at 35°C	19.60 A
Rated current at 40°C	19.20 A
Rated current at 50°C	18.40 A
Rated current at 55°C	18 A
Rated current at 60°C	17.60 A
Min./max. threshold value of the AC thermal operation	1.13 -1.45 A
Rated current at 45°C	18.80 A
Rated current at 65°C	17.20 A
Rated current at 70°C	16.80 A

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA

Voltage

Rated insulation voltage Ui	440 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	264 V
Rated operational voltage Ue	230 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Power dissipation at IN	11.68 W

Frequency

Frequency	50 - 50 Hz

Use conditions

Max. altitude	2000 m
Class of energy limitation I^2t	3

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Connection	
Cross-section of top terminal with screws, for flexible conductors	1 - 10 mm²
Cross-section of top terminal with screws, for rigid conductors	1 - 16 mm²
Capacity	
Number of modules	1
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Dimensions	
Height	85 mm
Width	17.70 mm
Depth	70 mm
Use conditions	
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
Connection	
Cross-section of top and bottom terminal with screws, for flexible conductors	1 - 10 mm²
Cross-section of top and bottom terminal with screws, for rigid conductors	1 - 16 mm²
Cross-section of bottom terminal with screws, for flexible conductors	1 - 10 mm²
Cross-section of bottom terminal with screws, for rigid conductors	1 - 16 mm²
Compatibility	
Suitable for DIN Rail	Yes