Product Datasheet
ADA960U



ADA960U

RCBO 1P+N 6kA C-10A 30mA A Class

Technical Features

Architecture

Type of pole	1P+N
Curve	C
Number of poles	2

Electric current

Rated current	10 A
Rated residual operating current Idn	30 mA
Rated current -25°C	12 A
Rated current at -20°C	11.80 A
Rated current -15°C	11.70 A
Rated current -10°C	11.50 A
Rated current -5°C	11.30 A
Rated current at 0°C	11.10 A
Rated current 5°C	11 A
Rated current 10°C	10.80 A
Rated current 15°C	10.60 A
Rated current at 20°C	10.40 A
Rated current 25°C	10.20 A
Rated current 30°C	10 A
Rated current 35°C	9.90 A
Rated current at 40°C	9.70 A
Rated current at 50°C	9.40 A
Rated current 55°C	9.30 A
Rated current 60°C	9.10 A
Correction factor of rating current for 2 devices placed side by side	1
Correction factor of rating current for 3 devices placed side by side	0.95
Correction factor of rating current for 4 and 5 devices placed side by side	0.90
Correction factor of rating current for 6 devices placed side by side	0.85
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA

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

Connectivity

Type of connection	Screw terminal

Voltage

Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	240 V
Rated operational voltage Ue	240 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under IN	3.40 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	2000
Number of mechanical operations	2000
Connection	
Cross-section flexible conductor	1 - 16 mm²
Cross-section rigid conductor	1 - 25 mm²
Cross-section of input with screws, for flexible conductors	1 - 16 mm²
Cross-section of input with screws, for massive conductors	1 - 25 mm²
Cross-section of output with screws, for flexible conductors	1 - 16 mm²
Cross-section of output with screws, for massive conductors	1 - 25 mm²
Installation, mounting	
Nominal tightening torque	2.10 - 2.10 Nm
Capacity	
Number of modules	2
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Dimensions	
Height	83 mm
Width	35 mm
Depth	68 mm
Use conditions	
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C
Connection	
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm²
Cross-section of input and output with screws, for massive conductors	1 - 25 mm²
Sustainability	
RoHS conform	Yes