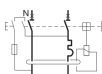




ADC825F



## RCBO 1P+N 4.5kA C-25A 30mA AC Class

### Technical characteristics

#### Architecture

Type of pole	1P+N
Curve	C

#### Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

#### Main electrical attributes

Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1	4.50 kA
Nominal tightening torque down terminal	2.10 - 2.10 Nm
Nominal tightening torque top terminal	2.10 - 2.10 Nm

#### Connectivity

Type of connection	Screw terminal
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#### Voltage

Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4,000 V
Max. operating voltage	240 V
Rated operational voltage $U_e$	240 - 240 V
Type voltage supply	AC

#### Electric current

Rated current	25 A
Rated residual operating current $I_{dn}$	30 mA
Rated current -25°C	28.20 A
Rated current at -20°C	27.90 A
Rated current -15°C	27.60 A
Rated current -10°C	27.40 A
Rated current -5°C	27.10 A
Rated current at 0°C	26.80 A
Rated current 5°C	26.50 A
Rated current 10°C	26.20 A
Rated current 15°C	25.90 A
Rated current at 20°C	25.60 A
Rated current 25°C	25.30 A
Rated current 30°C	25 A
Rated current 35°C	24.80 A

Rated current at 40°C	24.50 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 service breaking capacity Ics AC according to IEC 60898-1	4.50 kA
<b>Power</b>	
Total power loss under IN	9.30 W
<b>Frequency</b>	
Frequency	50 - 50 Hz
<b>Use conditions</b>	
Max. Altitude	2,000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Air humidity protection	For all climates
<b>Endurance</b>	
Electric endurance in number of cycles	2,000
Number of mechanical operations	2,000
<b>Connection</b>	
Cross-section flexible conductor	1 - 16 mm <sup>2</sup>
Cross-section rigid conductor	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
<b>Installation, mounting</b>	
Nominal tightening torque	2.10 - 2.10 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
<b>Capacity</b>	
Number of modules	2
<b>Dimensions</b>	

Subject to technical modifications

Height	83 mm
Width	35 mm
Depth	68 mm