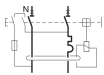




ADC816F



**RCBO 1P+N 4.5kA C-16A 30mA AC Class**

**Technical characteristics**

**Architecture**

Type of pole	1P+N
Curve	C

**Safety**

Residual current type	AC
Ingress Protection (IP) class	IP2X

**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
--------------------	----------------

**Voltage**

Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4,000 V
Max. operating voltage	0
Rated operational voltage $U_e$	240 - 240 V
Overvoltage category according to IEC 60947-1	3
Type voltage supply	AC

**Electric current**

Rated current	16 A
Rated residual operating current $I_{dn}$	30 mA
Rated current -25°C	18.50 A
Rated current at -20°C	18.30 A
Rated current -15°C	18.10 A
Rated current -10°C	17.90 A
Rated current -5°C	17.70 A
Rated current at 0°C	17.40 A
Rated current 5°C	17.20 A
Rated current 10°C	17 A
Rated current 15°C	16.70 A
Rated current at 20°C	16.50 A
Rated current 25°C	16.30 A

Rated current 30°C	16 A
Rated current 35°C	15.80 A
Rated current at 40°C	15.60 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
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	4.50 kA
<b>Power</b>	
Total power loss under IN	5.20 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	0
Number of mechanical operations	0
<b>Connection</b>	
Cross-section flexible conductor	1.5 - 95 mm <sup>2</sup>
Cross-section rigid conductor	1.5 - 95 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	10 - 10 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

**Capacity**

---

Number of modules	2
-------------------	---

**Dimensions**

---

Height	0
--------	---

---

Width	0
-------	---

---

Depth	68 mm
-------	-------