

RCBO 1P+N 10kA C-16A 10mA A

ACA566T

Architecture

Neutral position	right
Number of protected poles	1
Number of poles	2 P
Type of pole	1P+N
Fixing mode	DIN rail type O (symmetrical)
Curve	C

Functions

Sealable	yes

Compatibility

Compatible with DIN rail mounting	yes

Controls and indicators

With Contact position indicator	no
With fault indicator	yes

Connectivity

Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal

Main electrical features

Rated operational voltage Ue	230 - 240 V~
Type of supply voltage	AC

Voltage

Dielectric strength value of power frequency	2 kV
Rated insulation voltage	500 V
Max operating voltage	240 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current	10 mA
Rated current	16 A
Withstand not tripping on 8-20 ?s wave	250 A
Breaking and opening capacity	4500 A
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 In
Magnetic regulating currrent	5 / 10 In

Electric current / temperature

Rating current -25°C	18,5 A
Rating current -20°C	18,3 A
Rating current -15°C	18,1 A
Rating current -10°C	17,9 A
Rating current -5°C	17,7 A
Rating current 0°C	17,4 A
Rating current 5°C	17,2 A
Rating current 10°C	17 A
Rating current 15°C	16,7 A
Rating current 20°C	16,5 A
Rating current 25°C	16,2 A
Rating current 30°C	16 A
Rating current 35°C	15,8 A
Rating current 40°C	15,6 A
Rating current 45°C	15,4 A
Rating current 50°C	15,2 A
Rating current 55°C	15 A
Rating current 60°C	14,8 A
Rating current 70°C	10,9 A

Current correction factors

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	0,9
Correction factor of rating current for 6 devices placed side-by-side	0,85

Frequency

Frequency	50 Hz

Power

Total power loss under IN	4,74 W

Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	2000

Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	35 mm

Installation, mounting

Type of top connection for modular devices	with screw
Tightening torque	2,1Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	BIconnect + bypass
Top removability for modular devices	no
Bottom removability for modular devices	no
Suitable for flush-mounting	yes
360° product mounting position	yes

Connection

Connection cross-section at output with screw, for flexible conductor	1 / 16 mm²
Connection cross-section at output with screw, for massive conductor	1 / 25 mm²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 25 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 16 mm²
Cage clamp position	in line
Downstream cage clamp delivery status	opened
Upstream cage clamp delivery status	opened
Connection cross-section of input and output with screws, for massive conductors	1 / 25 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 16 mm²
Nominal tightening torque bottom terminal	2,1 Nm
Nominal tightening torque top terminal	2,1 Nm

Equipment

Can be accessorized	yes
Accept terminal cover	no
With transparent product label holder	no

Standards

Standard text	IEC 61009-1, AS/NZS 61009-1
European directive WEEE	not concerned

Safety

Protection index IP	IP20
Residual current type	A

Use conditions

Operating temperature	-25 40 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I²t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-25 70 °C

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Temperature of calibration	30 °C