30 mA

10 kA



ADC410F

RCBO 3P+N 6/10kA C-10A 30mA AC

Product Datasheet

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3P+N
С

Functions

Concurrently switching N-neutral	yes
Sealable	yes

Main electrical features

Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated operational voltage Ue	230 / 400 V
Frequency	50 Hz

Voltage

Rated insulation voltage	500 V
Max operating voltage	440 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current

Rated current	10 A
Withstand not tripping on 8-20 µs wave	3 kA
Breaking and opening capacity	6 kA
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 ln
Magnetic regulating currrent	5 / 10 ln
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	6 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 kA

Electric current / temperature

under 400V AC IEC 60947-2

Rated ultimate short-circuit breaking capacity Icu

Rating current 20°C	10,5 A
Rating current 30°C	10 A
Rating current 35°C	9,8 A
Rating current 40°C	9,6 A
Rating current 45°C	9,4 A
Rating current 50°C	9,1 A
Rating current 55°C	8,9 A
Rating current 60°C	8,7 A



placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 4 and 5 devices placed side-by-side Correction factor of rating current for 6 devices Correction factor of rating current for 6 devices placed side-by-side Frequency	Current correction factors	
placed side-by-side Correction factor of rating current for 4 and 5 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Frequency Frequency Frequency Frequency Frequency Total power loss under IN 6,3 W Power loss per pole at In 7,1 w Tripping Protected against nuisance tripping Fedurance Electric endurance in number of cycles Number of mechanical operations Frequency Depth of installed product Frequency		0,95
devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Frequency Frequency Frequency Frequency Fower Total power loss under IN Fripping Protected against nuisance tripping Foundance Electric endurance in number of cycles Incompany and in the side of t		0,95
Frequency 50 Hz Frequency 50 H		0,9
Frequency 50 Hz Power Total power loss under IN 6,3 W Power loss per pole at In 2,1 W Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93.4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices plastic Top removability for modular devices yes 360° product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals		0,85
Power Total power loss under IN 6,3 W Power loss per pole at In 2,1 W Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93.4 mm Width of installed product 88.5 mm Installation, mounting Type of top rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Store product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Frequency	
Total power loss under IN 2,1 W Power loss per pole at In 2,1 W Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices plastic plottom rail clip for modular devices plastic por modular devices yes 800° product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10 mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Frequency	50 Hz
Power loss per pole at In 2,1 W Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes 360° product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10 mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Power	
Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Connection Connection Connection 1 / 10mm² Connection cross-sect. flexible conductor 1 / 10mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Total power loss under IN	6,3 W
Protected against nuisance tripping no Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 60000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Stonnection Connection Connection cross-sect. rigid cable 1/16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Power loss per pole at In	2,1 W
Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Stonnection Connection Connection 1/10mm² Equipment With interlocking device yes Standards Standard text En 61009-1 Approvals	Tripping	
Electric endurance in number of cycles Number of mechanical operations 6000 Dimensions Depth of installed product Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Standards Standards Standard text EN 61009-1 Approvals	Protected against nuisance tripping	no
Number of mechanical operations 6000 Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Stonnection Connection Connection cross-sect. flexible conductor 1/10mm² Connection cross-sect. rigid cable 1/16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Endurance	
Dimensions Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Bottom removability for modular devices yes Connection Connection Connection cross-sect. flexible conductor 1/10mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Electric endurance in number of cycles	1000
Depth of installed product 70 mm Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Sootom removability for modular devices yes Connection Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Number of mechanical operations	6000
Height of installed product 93,4 mm Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Bottom removability for modular devices yes Connection Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Dimensions	
Installation, mounting Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Bottom removability for modular devices yes 360° product mounting position yes Connection Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Depth of installed product	70 mm
Installation, mounting Type of top rail clip for modular devices Type of bottom rail clip for modular devices Top removability for modular devices Bottom removability for modular devices yes 360° product mounting position Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1 / 10mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Height of installed product	93,4 mm
Type of top rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes Bottom removability for modular devices yes Soonection yes Connection Connection cross-sect. flexible conductor 1/10mm² Connection cross-sect. rigid cable 1/16mm² Equipment With interlocking device yes Standards Standard text En 61009-1 Approvals	Width of installed product	88,5 mm
Type of bottom rail clip for modular devices plastic Top removability for modular devices yes Bottom removability for modular devices yes 360° product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals NF	Installation, mounting	
Top removability for modular devices Bottom removability for modular devices 360° product mounting position Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 1 / 10mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Type of top rail clip for modular devices	NA
Bottom removability for modular devices 360° product mounting position Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standards Standard text EN 61009-1 Approvals	Type of bottom rail clip for modular devices	plastic
Connection Connection 1 / 10mm² Connection cross-sect. flexible conductor 1 / 16mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Top removability for modular devices	yes
Connection Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals	Bottom removability for modular devices	yes
Connection cross-sect. flexible conductor 1 / 10mm² Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standards Standard text EN 61009-1 Approvals	360° product mounting position	yes
Connection cross-sect. rigid cable 1 / 16mm² Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals NF	Connection	
Equipment With interlocking device yes Standards Standard text EN 61009-1 Approvals NF	Connection cross-sect. flexible conductor	1 / 10mm²
With interlocking device yes Standards Standard text EN 61009-1 Approvals NF	Connection cross-sect. rigid cable	1 / 16mm²
StandardsStandard textEN 61009-1ApprovalsNF	Equipment	
Standard text EN 61009-1 Approvals NF	With interlocking device	yes
Approvals NF	Standards	
••	Standard text	EN 61009-1
European directive WEEE concerned	Approvals	NF
	European directive WEEE	concerned

Safety

Air humidity protection



AC

for all climates

30 °C

Protection index IP IP20 Residual current type Use conditions

Degree of pollution according to IEC 60664 / IEC 2 60947-2 3 Class of energy limitation I2t Altitude 2000 m

temperatur Temperature of calibration