

18,7 A

18,3 A

18 A

RCBO 3P+N 6/10kA C-20A 30mA AC

Product Datasheet	
Architecture	
Neutral position	left
Number of protected poles	3
Number of poles	4 P
Type of pole	3P+N
Curve	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	30 mA
Rated current	20 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
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	10 kA
Electric current / temperature	
Rating current 20°C	20,9 A
Rating current 30°C	20 A
Rating current 35°C	19,7 A
Rating current 40°C	19,3 A
Rating current 45°C	19 A
_ ,	

Rating current 50°C
Rating current 55°C

Rating current 60°C



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 Prequency Frequency Frequency Frequency Frequency Fower Total power loss under IN Power loss per pole at In Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Dimensions Dimensions Unistalled product Field product	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 Fower Total power loss under IN 9,9 V Power loss per pole at In 7,7 V Tripping Protected against nuisance tripping not Endurance Electric endurance in number of cycles Number of mechanical operations Dimensions Depth of installed product Height of installed product Width of installed product Solution, mounting Type of top rail clip for modular devices Type of bottom rail clip for modular devices Solve promovability for modular devices 100 removability for modular devices 101 removability for modular devices 102 removability for modular devices 103 removability for modular devices 104 removability for modular devices 105 removability		0,95
devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Frequency Frequency Frequency Fower Total power loss under IN Power loss per pole at In 3,7 V Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Inour side of installed product Height of installed product Height of installed product Width of installed product Stallation, mounting Type of top rail clip for modular devices Top removability for modular devices plastif Top removability for modular devices yes 360° product mounting position Connection Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Equipment With interlocking device yes Standard text EN 61009- Approvals		0,95
Frequency Freque		0,9
Frequency 50 H: Power Total power loss under IN 9,9 W Power loss per pole at In 3,7 W Tripping Protected against nuisance tripping notes and a spiral point of exercise and a spiral p		0,85
Power Total power loss under IN 9.9 W Power loss per pole at In 3.7 W Tripping Protected against nuisance tripping no Endurance Electric endurance in number of cycles 1000 Number of mechanical operations 6000 Dimensions 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 Bottom removability for modular devices yes 360° product mounting position yes Connection Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standards Standard text EN 61009-	Frequency	
Total power loss under IN 9,9 V Power loss per pole at In 3,7 V Tripping Protected against nuisance tripping not send against nuisance send	Frequency	50 Hz
Power loss per pole at In 3,7 V Tripping Protected against nuisance tripping not send against nuisance tripping not not send against nuisance tripping not nuisance tripping not send against nuisance tripping not not nuisance tripping nuisance	Power	
Tripping Protected against nuisance tripping notes against number of cycles number of cycles number of mechanical operations 6000 number of mechanical operations 6000 number of mechanical operations 70 mm number of cycles number of mechanical operations 93,4 mm number of installed product number of installed product 93,4 mm number of installed product numb	Total power loss under IN	9,9 W
Protected against nuisance tripping not set to a pair of the protected against nuisance tripping not set to endurance in number of cycles 1000 Number of mechanical operations 6000 Number of mechanical operations 6000 Number of mechanical operations 70 mm	Power loss per pole at In	3,7 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 N/Type of bottom rail clip for modular devices plastic Top removability for modular devices yes 360° product mounting position yes Connection Connection Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text En 61009- Approvals	Tripping	
Electric endurance in number of cycles 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 NV Type of bottom rail clip for modular devices plastic Top removability for modular devices 900° product mounting position Connection Connection Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Equipment With interlocking device Standards Standard text EN 61009- 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 N/ 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 1/10mm Connection cross-sect. rigid cable 1/16mm Equipment With interlocking device yes Standards Standard text EN 61009- 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 NV 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 Stonnection Connection Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009-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 N/ 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 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009-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 360° product mounting position yes Connection Connection Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Dimensions	
Width of installed product 88,5 mm Installation, mounting Type of top rail clip for modular devices N/ 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 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Depth of installed product	70 mm
Installation, mounting Type of top rail clip for modular devices	Height of installed product	93,4 mm
Type of top rail clip for modular devices plastic 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 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009-7 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 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Installation, mounting	
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 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- 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 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Type of bottom rail clip for modular devices	plastic
Connection Connection 1 / 10mm Connection cross-sect. flexible conductor 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Top removability for modular devices	yes
Connection Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Bottom removability for modular devices	yes
Connection cross-sect. flexible conductor 1 / 10mm Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	360° product mounting position	yes
Connection cross-sect. rigid cable 1 / 16mm Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Connection	
Equipment With interlocking device yes Standards Standard text EN 61009- Approvals	Connection cross-sect. flexible conductor	1 / 10mm²
With interlocking device yes Standards Standard text EN 61009- Approvals	Connection cross-sect. rigid cable	1 / 16mm²
Standards Standard text EN 61009- Approvals Ni	Equipment	
Standard text EN 61009- Approvals Ni	With interlocking device	yes
Approvals Ni	Standards	
·	Standard text	EN 61009-1
European directive WEEE concerned	Approvals	NF
	European directive WEEE	concerned



Safety

Protection index IP	IP20
Residual current type	AC
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I ² t	3
Altitude	2000 m
Air humidity protection	for all climates
temperatur	
Temperature of calibration	30 °C