

38.03 A

37.33 A 36.62 A



RCBO Electronic 1P 10kA C Curve-32A, 30mA Type A(AC & Pulsating DC Sensitive)1M

Technical properties

Architecture	
Neutral position	right
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Curve	С
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	1
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	230 / 240 V
Frequency	50 Hz
Voltage	
Rated insulation voltage	250 V
Max operating voltage	253 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated residual operating current	30 mA
Rated current	32 A
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 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
Electric current / temperature	
Rating current -25°C	40.06 A
Rating current -20°C	39.39 A
Rating current -15°C	38.72 A

Rating current -10°C

Rating current -5°C

Rating current 0°C

Rating current 15°C Rating current 20°C Rating current 20°C Rating current 30°C Rating current 30°C Rating current 40°C Rating current 40°C Rating current 40°C Rating current 40°C Rating current 50°C Rating current 50°C Rating current 50°C Rating current 60°C Current correction factors Correction factor of rating current for 2 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Dimensions Depth of installed product Height of installed product Width of installed product Trequency Frequency Frequency Power Total power loss under IN Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque Type of top rail clip for modular devices	Rating current 5°C	35.89 A
Rating current 20°C Rating current 30°C Rating current 30°C Rating current 35°C Rating current 40°C Rating current 40°C Rating current 40°C Rating current 50°C Rating current 50°C Rating current 50°C Rating current 60°C Current correction factors Correction factor of rating current for 2 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 1 devices placed side-by-side Frequency Power Frequency Power 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 Installation, mounting Tightening torque Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Rating current 10°C	35.14 A
Rating current 30°C Rating current 30°C Rating current 40°C Rating current 40°C Rating current 45°C Rating current 45°C Rating current 55°C Rating current 55°C Rating current 50°C Rating current 60°C Rating current 60°C Current correction factors Correction factor of rating current for 2 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 1 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 placed side-by-side Power State of installed product Total power loss under IN Power loss under IN Power loss under IN Power loss pole at In Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque Type of top rail clip for modular devices Type of bottom rail clip for modular devices	Rating current 15°C	34.39 A
Rating current 30°C Rating current 40°C Rating current 40°C Rating current 45°C Rating current 50°C Rating current 50°C Rating current 50°C Rating current 60°C Current correction factors Correction factor of rating current for 2 devices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 8 devices placed side-by-side Correction factor of rating current for 8 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Pomensions Depth of installed product Title finat	Rating current 20°C	33.61 A
Rating current 40°C 30 Rating current 40°C 29 Rating current 45°C 29 Rating current 50°C 28 Rating current 50°C 27 Rating current 60°C 27 Rating current 60°C 27 Rating current 60°C 27 Rating current 60°C 20 Current correction factors Correction factor of rating current for 2 devices placed side-by-side 20 Correction factor of rating current for 3 devices placed side-by-side 20 Correction factor of rating current for 4 and 5 devices placed side-by-side 20 Correction factor of rating current for 6 devices placed side-by-side 30 Dimensions Depth of installed product 70 Height of installed product 115 Width of installed product 17.8 Frequency 5 Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of bottom rail clip for modular devices 5	Rating current 25°C	32.81 A
Rating current 40°C 29 Rating current 45°C 29 Rating current 50°C 28 Rating current 50°C 27 Rating current 60°C 27 Rating current for 20 Rating current for 30 Rating current for 30 Rating current for 30 Rating current for 30 Rating current for 4 and 5 devices placed side-by-side Rorrection factor of rating current for 6 Revices placed side-by-side Rorrection factor of rating current for 6 Revices placed side-by-side Rorrection factor of rating current for 6 Revices placed side-by-side Rorrection factor of rating current for 6 Revices placed side-by-side Rorrection factor of rating current for 6 Revices placed side-by-side Rorrection factor of rating current for 8 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Revices placed side-by-side Rorrection factor of rating current for 9 Rorrection factor o	Rating current 30°C	32 A
Rating current 50°C 28 Rating current 50°C 28 Rating current 50°C 27 Rating current 60°C 27 Rating current 60°C 27 Rating current 60°C 27 Rating current 60°C 27 Rating current foctors Correction factor of rating current for 2 devices placed side-by-side 37 Correction factor of rating current for 3 devices placed side-by-side 37 Correction factor of rating current for 4 and 5 devices placed side-by-side 37 Correction factor of rating current for 6 devices placed side-by-side 37 Depth of installed product 70 Height of installed product 11: Width of installed product 17.8 Frequency 5 Frequency 5 Frequency 5 Total power loss under IN 9. Power Ioss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices 5 Type of bottom rail clip for modular devices 5 metallic iso	Rating current 35°C	31.16 A
Rating current 50°C 28 Rating current 55°C 27 Rating current 60°C 27 Rating current 60°C 20 Current correction factors Correction factor of rating current for 2 devices placed side-by-side 20 Correction factor of rating current for 3 devices placed side-by-side 20 Correction factor of rating current for 4 and 5 devices placed side-by-side 20 Correction factor of rating current for 6 devices placed side-by-side 20 Correction factor of rating current for 6 devices placed side-by-side 20 Experiment of installed product 70 Height of installed product 11: Width of installed product 17.8 Frequency 5 Frequency 7 Frequency 7 Frequency 7 Frequency 8 Frequency 9	Rating current 40°C	30.31 A
Rating current 55°C 27 Rating current 60°C 2 Current correction factors Correction factor of rating current for 2 devices 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 placed side-by-side Dimensions Depth of installed product 70 Height of installed product 115 Width of installed product 17.6 Frequency 5 Frequency 5 Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Rating current 45°C	29.42 A
Rating current 60°C Current correction factors Correction factor of rating current for 2 devices 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 placed side-by-side Dimensions Depth of installed product Midth of installed product 70 Frequency Frequency Frequency 5 Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top rail clip for modular devices Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Rating current 50°C	28.51 A
Current correction factors Correction factor of rating current for 2 devices 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 placed side-by-side Dimensions Depth of installed product Height of installed product Width of installed product 77. Frequency Frequency Frequency 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Rating current 55°C	27.57 A
Correction factor of rating current for 2 devices 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 placed side-by-side Dimensions Depth of installed product Height of installed product Total power loss under IN Power Total power loss per pole at In Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Rating current 60°C	26.6 A
devices 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 placed side-by-side Dimensions Depth of installed product Height of installed product Width of installed product Frequency Frequency Frequency Power Total power loss under IN Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Current correction factors	
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 placed side-by-side Dimensions Depth of installed product 70 Height of installed product 115 Width of installed product 17.8 Frequency Frequency Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso		1
5 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Dimensions Depth of installed product 70 Height of installed product 115 Width of installed product 17.8 Frequency Frequency Frequency Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices Type of bottom rail clip for modular devices		0.95
Dimensions Depth of installed product 70 Height of installed product 115 Width of installed product 17.8 Frequency Frequency Frequency 5 Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices metallic iso		0.9
Depth of installed product Height of installed product Width of installed product Trequency Frequency Power Total power loss under IN Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices Tequal Type of top rail clip for modular devices Type of bottom rail clip for modular devices Type of bottom rail clip for modular devices		0.85
Height of installed product 115 Width of installed product 17.8 Frequency Frequency Frequency Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of bottom rail clip for modular devices Tequal to the state of	Dimensions	
Frequency Frequency Frequency Power Total power loss under IN Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of bottom rail clip for modular devices	Depth of installed product	70 mm
Frequency Frequency Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2. Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Height of installed product	115 mm
Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Width of installed product	17.8 mm
Power Total power loss under IN 9. Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Frequency	
Total power loss under IN Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Frequency	50 Hz
Power loss per pole at In 5. Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Power	
Tripping Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Total power loss under IN	9.63 W
Protected against nuisance tripping Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Power loss per pole at In	5.53 W
Endurance Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Tripping	
Electric endurance in number of cycles Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Protected against nuisance tripping	No
Number of mechanical operations Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Endurance	
Installation, mounting Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Electric endurance in number of cycles	2000
Tightening torque 2, Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Number of mechanical operations	1000
Type of top rail clip for modular devices Type of bottom rail clip for modular devices metallic iso	Installation, mounting	
Type of bottom rail clip for modular devices metallic iso	Tightening torque	2,1Nm
7,000	Type of top rail clip for modular devices	NA
Top removability for modular devices	Type of bottom rail clip for modular devices	metallic isolated
	Top removability for modular devices	No
Connection	Connection	
Connection cross-section at output with screw, for flexible conductor 1 / 16		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
Equipment	
With transparent product label holder	No
Standards	
Standard text	EN 61009-1, IEC 61009-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Residual current type	А
REACH conform	No
Use conditions	
Degree of pollution according to IEC 60664 /	
IEC 60947-2	2
Class of energy limitation I²t	3
Altitude	2000 m
Air humidity protection	Execution II