



RCBO Electronic 1M 1P 10kA C-32A 30mA AC Class

Technical characteristics

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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	38.03 A
Rating current -5°C	37.33 A
Rating current 0°C	36.62 A

Rating current 10°C 35.14 A Rating current 15°C 34.39 A Rating current 20°C 33.61 A Rating current 20°C 32.81 A Rating current 25°C 32.81 A Rating current 35°C 32.81 A Rating current 35°C 31.16 A Rating current 40°C 30.31 A Rating current 45°C 29.42 A Rating current 45°C 29.42 A Rating current 55°C 28.51 A Rating current 55°C 27.57 A Rating current 60°C 26.6 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 0.95 Correction factor of rating current for 8 devices placed side-by-side 1 Correction factor of rating current for 8 devices placed side-by-side 1 Correction factor of rating current for 8 Dimensions Frequency 70 mm Width of installed product 17.8 mm Frequency 50 Hz Prequency 50 Hz Pripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting 1 Triptening torque 2.1Nm Connection cross-section at output with screw, for flexible conductor 1/25 mm² screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section at output with screw, for flexible conductor 1/25 mm² connection cross-section for rigid	Daking august 500	3F 00 A
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Rating current 45°C 29.42 A Rating current 50°C 28.51 A Rating current 50°C 27.57 A Rating current 60°C 26.6 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 0,95 Correction factor of rating current for 4 and 5 devices placed side-by-side 0,95 Correction factor of rating current for 6 devices placed side-by-side 1,05 Dimensions Depth of installed product 70 mm Height of installed product 115 mm Width of installed product 17.8 mm Frequency 50 Hz Power Total power loss under IN 9,63 W Power loss par pole at In 5,53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section for rigid	Rating current 35°C	31.16 A
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Rating current 55°C 27.57 A Rating current 60°C 26.6 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 0.95 Correction factor of rating current for 4 and 5 devices placed side-by-side 0.95 Dimensions Depth of installed product 70 mm Height of installed product 115 mm Frequency Frequency Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section for rigid	Rating current 45°C	29.42 A
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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 0.99 Correction factor of rating current for 6 devices placed side-by-side 0.85 Dimensions Depth of installed product 70 mm Height of installed product 115 mm Width of installed product 17.8 mm Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2.1Nm Connection cross-section at output with screw, for flexible conductor 1,76 mm² Connection cross-section at output with screw, for flexible conductor 1,75 mm² Connection cross-section at output with screw, for massive conductor 1,75 mm² Connection cross-section at output with screw, for massive conductor 1,75 mm² Connection cross-section at output with screw, for massive conductor 1,75 mm² Connection cross-section for rigid	Rating current 60°C	26.6 A
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5 devices placed side-by-side 0.9 Correction factor of rating current for 6 devices placed side-by-side 0.85 Dimensions Depth of installed product 70 mm Height of installed product 115 mm Width of installed product 17.8 mm Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm 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 at output with screw, for massive conductor 1/25 mm² Connection cross-section for rigid	Correction factor of rating current for 3 devices placed side-by-side	0.95
Dimensions Depth of installed product 70 mm Height of installed product 115 mm Width of installed product 17.8 mm Frequency Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Connection Connection cross-section at output with screw, for flexible conductor 1/16 mm² Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section for rigid	Correction factor of rating current for 4 and 5 devices placed side-by-side	0.9
Depth of installed product 70 mm Height of installed product 115 mm Width of installed product 17.8 mm Frequency Frequency Fower Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Correction factor of rating current for 6 devices placed side-by-side	0.85
Height of installed product Width of installed product 17.8 mm Frequency Frequency Fower Total power loss under IN Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Dimensions	
Width of installed product 17.8 mm Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm 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 at output with screw, for massive conductor 1/25 mm² Connection cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-section for rigid	Depth of installed product	70 mm
Frequency 50 Hz Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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 at output with screw, for massive conductor 1/25 mm² Connection cross-section for rigid	Height of installed product	115 mm
Power Total power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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 at output with screw, for massive conductor 1/25 mm² Connection cross-section for rigid	Width of installed product	17.8 mm
Power loss under IN 9.63 W Power loss per pole at In 5.53 W Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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 at output with screw, for massive conductor 1/25 mm² Connection cross-section for rigid	Frequency	
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Protected against nuisance tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Power	
Tripping Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Total power loss under IN	9.63 W
Protected against nuisance tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm 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	Power loss per pole at In	5.53 W
Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Tripping	
Electric endurance in number of cycles 2000 Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm 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	Protected against nuisance tripping	No
Number of mechanical operations 1000 Installation, mounting Tightening torque 2,1Nm Connection 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	Endurance	
Installation, mounting Tightening torque 2,1Nm 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	Electric endurance in number of cycles	2000
Tightening torque 2,1Nm 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	Number of mechanical operations	1000
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	Installation, mounting	
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	Tightening torque	2,1Nm
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	Connection	
screw, for massive conductor 1 / 25 mm ² Connection cross-section for rigid	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

Standards

Standard text	IEC 61009-1; EN 61009-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Residual current type	AC
REACH conform	No
RoHS conform	Yes
Halogen free	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