

Aligned terminal

30 mA



AD906J

## RCBO 1P+N 6kA B-6A 30mA A

Technische Merkmale

Arc	hite	cti	ire

Alomteoture	
Neutral position	right
Number of protected poles	1
Number of poles	2 P
Type of pole	1P+N
Curve	В
Functions	
Sealable	no
Connectivity	

## Connectivity

Top connection alignement for modular devices

Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated operational voltage Ue	240 V
Frequency	50 Hz

## Voltage

Rated insulation voltage	500 V
Max operating voltage	240 V
Rated impulse withstand voltage	4000 V

## **Electric current**

Rated residual operating current

Rated current	6 A
Withstand not tripping on 8-20 μs wave	250 A
Breaking and opening capacity	6 kA
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 ln
Magnetic regulating currrent	3 / 5 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	6 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	6 kA



Rating current -25°C         7,2 A           Rating current -20°C         7,1 A           Rating current -10°C         6,9 A           Rating current -5°C         6,8 A           Rating current 0°C         6,7 A           Rating current 10°C         6,5 A           Rating current 10°C         6,5 A           Rating current 10°C         6,5 A           Rating current 10°C         6,2 A           Rating current 20°C         6,2 A           Rating current 20°C         6,1 A           Rating current 30°C         6,4 A           Rating current 30°C         6,4 A           Rating current 40°C         5,9 A           Rating current 40°C         5,6 A           Rating current 40°C         5,6 A           Rating current 50°C         5,6 A           Rating current 50°C         5,6 A           Rating current 60°C         5,6 A           Current correction factor of creating current for 2 devices placed side-by-side         1           Current or fating current for 2 devices placed side-by-side         0,95           Correction factor of rating current for 4 and 5         0,95           Gevices placed side-by-side         0,95           Correction factor of rating current for 6 devices placed side-by-side	Electric current / temperature	
Rating current -15°C         7. A           Rating current -10°C         6.9. A           Rating current 5°C         6.8. A           Rating current 10°C         6.5. A           Rating current 10°C         6.5. A           Rating current 15°C         6.4. A           Rating current 15°C         6.4. A           Rating current 20°C         6.2. A           Rating current 25°C         6.1. A           Rating current 35°C         5.9. A           Rating current 40°C         5.8. A           Rating current 45°C         5.6. A           Rating current 55°C         5.6. A           Rating current 55°C         5.6. A           Rating current 60°C         5.4. A           Current correction factor of rating current for 2 devices placed side-by-side         1           Currection factor of rating current for 3 devices placed side-by-side         0.9           Correction factor of rating current for 6 devices placed side-by-side         0.9           Correction factor of rating current for 6 devices placed side-by-side         0.9           Correction factor of rating current for 6 devices placed side-by-side         0.9           Correction factor of rating current for 6 devices placed side-by-side         0.9           Correction factor of rating current for 6 devices placed	Rating current -25°C	7,2 A
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Rating current 0°C         6,7 A           Rating current 10°C         6,5 A           Rating current 10°C         6,5 A           Rating current 10°C         6,5 A           Rating current 20°C         6,2 A           Rating current 20°C         6,1 A           Rating current 30°C         6 A           Rating current 35°C         5,9 A           Rating current 40°C         5,8 A           Rating current 45°C         5,6 A           Rating current 50°C         5,6 A           Rating current 60°C         5,4 A           Current correction factor of core         5,4 A           Current correction factor of rating current for 3 devices         1           placed side-by-side         0,95           Correction factor of rating current for 3 devices         0,95           placed side-by-side         0,95           Correction factor of rating current for 4 and 5         0,95           devices placed side-by-side         0,95           Correction factor of rating current for 6 devices         0,85           Frequency         50 Hz           Frequency         50 Hz           Maximal rating current of downstream all fuse for selectivity on short-circuit         2 A           Maximal rating current of downstre	Rating current -10°C	6,9 A
Rating current 5°C 6,6 A Rating current 10°C 6,5 A Rating current 15°C 6,4 A Rating current 15°C 6,4 A Rating current 20°C 6,2 A Rating current 20°C 6,1 A Rating current 30°C 6,1 A Rating current 30°C 6,8 A Rating current 40°C 5,9 A Rating current 40°C 5,8 A Rating current 40°C 5,8 A Rating current 55°C 5,8 A Rating current 55°C 5,5 A Rating current 50°C 5,5 A Rating current 60°C 5,4 A  Current correction factor of rating current for 2 devices placed side-by-side 6 Correction factor of rating current for 3 devices placed side-by-side 7 Correction factor of rating current for 4 and 5 devices placed side-by-side 7  Frequency 50 Hz  Selectivity  Maximal rating current of downstream aM fuse for 50 Hz  Maximal rating current of downstream gL fuse for 50 Rating current of upstream aM fuse for 50 Rating Current of upstream	Rating current -5°C	6,8 A
Rating current 10°C 6,5 A Rating current 15°C 6,4 A Rating current 20°C 6,2 A Rating current 20°C 6,1 A Rating current 30°C 6,1 A Rating current 30°C 5,9 A Rating current 35°C 5,9 A Rating current 40°C 5,8 A Rating current 45°C 5,7 A Rating current 45°C 5,7 A Rating current 50°C 5,6 A Rating current 50°C 5,6 A Rating current 60°C 5,5 A Rating current 60°C 5,5 A Rating current 60°C 5,8 A Rating current 60°C 5,9 A Rating current 60°C 6 Rating current 6	Rating current 0°C	6,7 A
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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  Correction factor of rating current for 6 devices placed side-by-side  Frequency  Frequency  Selectivity  Maximal rating current of downstream aM fuse for selectivity on short-circuit  Minimal rating current of downstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W  Power loss per pole at In 1,8 W  Tripping	Rating current 60°C	5,4 A
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devices placed side-by-side  Correction factor of rating current for 6 devices placed side-by-side  Frequency  Frequency  Selectivity  Maximal rating current of downstream aM fuse for selectivity on short-circuit  Maximal rating current of downstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W  Tripping		0,95
Prequency 50 Hz  Selectivity  Maximal rating current of downstream aM fuse for selectivity on short-circuit  Maximal rating current of downstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W  Power loss per pole at In 1,8 W	devices placed side-by-side	0,9
Frequency 50 Hz  Selectivity  Maximal rating current of downstream aM fuse for selectivity on short-circuit  Maximal rating current of downstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for 8 A selectivity on short-circuit  Minimal rating current of upstream gL fuse for 8 A selectivity on short-circuit  Minimal rating current of upstream gL fuse for 8 A selectivity on short-circuit  Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W		0,85
Selectivity  Maximal rating current of downstream aM fuse for selectivity on short-circuit  Maximal rating current of downstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W	Frequency	
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selectivity on short-circuit  Minimal rating current of upstream aM fuse for selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W  Tripping		0,5 A
selectivity on short-circuit  Minimal rating current of upstream gL fuse for selectivity on short-circuit  Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W  Tripping		2 A
Power  Total power loss under IN 1,9 W Power loss per pole at In 1,8 W  Tripping		8 A
Total power loss under IN 1,9 W Power loss per pole at In 1,8 W  Tripping		8 A
Power loss per pole at In 1,8 W  Tripping	Power	
Power loss per pole at In 1,8 W  Tripping	Total power loss under IN	1,9 W
	Power loss per pole at In	1,8 W
Protected against nuisance tripping no	Tripping	
	Protected against nuisance tripping	no



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	
Tightening torque	2,1Nm
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-sect. flexible conductor	1 / 16mm²
Connection cross-sect. rigid cable	1 / 25mm²
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
Type of connection	with screw
Equipment	
With interlocking device	no
Standards	
Standard text	EN 61009-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Residual current type	A
Use conditions	
Operating temperature	-2540 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-2570 °C
temperatur	
Temperature of calibration	30 °C