



CF441J

RCCB 4P 40A 300mA AC Class

Technical characteristics

Functions

Architecture	
Neutral position	right
Number of poles	4 P

Concurrently switching N-neutral	Yes
Configuration	

Number of modules		4
Main alastuisal factuura		
Main electrical features		

Rated operational voltage Ue	230 / 400 V
Frequency	50 Hz
Voltage	
Rated inculation voltage	500 V

Electric current	
Rated impulse withstand voltage	4000 V
Rated insulation voltage	500 V

Rated residual operating current	300 mA
Rated current	40 A
Withstand not tripping on 8-20 μs wave	0.25 kA
Breaking and opening capacity	1.5 kA
Rated conditional short-circuit current Inc	
according to EN 61008-1	6 kA

Rated conditional short-circuit current Inc	
according to EN 61008-1	6 kA

-	
Rating current -25°C	40 A
Rating current -20°C	40 A
Rating current -15°C	40 A
Rating current -10°C	40 A
Rating current -5°C	40 A
Rating current 0°C	40 A
Rating current 5°C	40 A
Rating current 10°C	40 A
Rating current 15°C	40 A
Rating current 20°C	40 A
Rating current 25°C	40 A
Rating current 30°C	40 A
Rating current 35°C	40 A

Electric current / temperature

Rating current 50°C 40 A Rating current 70°C 40 A Power acting current 70°C 70 mm Height of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency	Rating current 40°C	40 A
Rating current 55°C 40 A Rating current 60°C 40 A Rating current 60°C 40 A Rating current 60°C 40 A Rating current 70°C 40 A Dimensions Depth of installed product 70 mm Height of installed product 83 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Short-time delayed tripping No Short-time delayed tripping No Installation, mounting Type of top cannection for modular devices with screw 15ghear in group and 11gh for modular devices metallic Type of top rail clip for modular devices metallic Type of Bottom Connection for modular devices metallic Type of Bottom Connection for modular devices No Connection cross-section at output with screw 11gh connection cross-section for middle conductor 11 connection connection connection for modular devices 11 connection cross-section for rigid connection cross-section of the access with screws, for flexible conductor 1, 25 mm² Connection cross-section of access and exit with screws, for flexible conductor 1, 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1, 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1, 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1, 16 mm²	Rating current 45°C	40 A
Rating current 60°C 40 A Rating current 65°C 40 A Rating current 70°C 70 mm Relight of installed product 81 N Relight of Relight 81 N Relight 70 N Relig	Rating current 50°C	40 A
Rating current 65°C 40 A Rating current 70°C 40 A Dimensions Depth of installed product 70 mm Height of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency Frequency Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at in 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Short-time delayed tripping No Short-time delayed tripping No Installation, mounting Type of top connection for modular devices with screw 1 gitten for modular devices metallic Type of Bottom rein clip for modular devices No Bottom rein clip for modular devices No Bottom removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section of the access with screws 1 / 25 mm² Connection cross-section of rigid conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm²	Rating current 55°C	40 A
Rating current 70°C 40 A Dimensions Depth of installed product 70 mm Height of installed product 70 mm Height of installed product 70 mm Height of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency Frequency Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Short-time delayed tripping No Short-time delayed tripping No Installation, mounting 2 Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting 7 Type of top connection for modular devices with screw 12 per of top top the modular devices No Depth of top top to the modular devices No Bottom removability for modular devices No Bottom removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor 1,25 mm² Connection cross-sectificial conductor 1,25 mm² Connection cross-sectificial conductor 1,25 mm² Connection cross-section of the access with screws 1,25 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,16 mm²	Rating current 60°C	40 A
Dimensions Depth of installed product 70 mm Height of installed product 70 mm Width of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 8.1 W Power loss per pole a	Rating current 65°C	40 A
Depth of installed product 83 mm Height of installed product 70 mm Height of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping No Short-time delayed tripping No Short-time delayed tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw Tightening torque 2.8 Nm Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices metallic Type of Bottom roudular devices No Bottom removability for modular devices No Connection cross-section at output with screw, for massive conductor 1,25 mm² Connection cross-section of rigid conductor, upstream terminals with screws 1,165 mm² Connection cross-section of rigid conductor, upstream terminals with screws 1,165 mm² Connection cross-section of access with screws, with fisches on the fisher of the modular of the access with screws, with fishelic conductor 1,165 mm² Connection cross-section of trigid conductor, upstream terminals with screws 1,165 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,165 mm² Connection cross-section of access and exit with screws, with fishelic conductor 1,166 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,165 mm² Connection cross-section of access and exit with screws, for flexible conductor 1,166 mm²	Rating current 70°C	40 A
Height of installed product 70 mm Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Endurance Electric endurance In number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw Tight connection for modular devices metallic Type of Bottom canecion for modular devices metallic Type of Bottom connection for modular devices No Bottom removability for modular devices No	Dimensions	
Width of installed product 70 mm Construction size (DIN 43880) 1 Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw, for fine side light for modular devices No Bottom removability for modular devices No Bottom r	Depth of installed product	70 mm
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Frequency 50 Hz Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Fendurance Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw 11ghtening torque 2,8Nm Type of top rail clip for modular devices metallic Type of Bottom Connection for modular devices metallic Type of 8 Bottom Connection for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. rigid cable 25mm² Connection cross-section of rigid conductor, upstream terminals with screws 1/16 mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of the access with screws, for flexible conductor 1/16 mm² Connection cross-section of the access with screws, if flexible conductor 1/16 mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of daccess and exit with screws, for flexible conductor 1/16 mm² Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Width of installed product	70 mm
Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw Tightening torque 2,8Nm Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices metallic Type of Bottom ramedular devices No Bottom removability for modular devices No Bottom consection of the conductor 1/25 mm² Connection cross-sect. flexible conductor 16mm² Connection cross-sect. rigid cable 25mm² Connection cross-sect. rigid cable 25mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of the access with screws, for flexible conductor 1/16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1/16 mm² Connection cross section of access and exit with screws, for flexible conductor 1/16 mm² Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Construction size (DIN 43880)	1
Power Total power loss under IN 8.1 W Power loss per pole at In 3.6 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Endurance Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw Tightening torque 2,8Nm Type of top rail clip for modular devices metallic Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices Blconnect Top removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. flexible conductor 1/25 mm² Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1/16 mm² Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Frequency	
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Tripping Protected against nuisance tripping No Short-time delayed tripping No Findurance Electric endurance in number of cycles Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top connection for modular devices With screw Tightening torque 2,8Nm Type of top rail clip for modular devices No Type of bottom rail clip for modular devices Type of Bottom Connection for modular devices No Bottom removability for modular devices No Connection Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. rigid cable Connection cross-sect. rigid cable Connection cross-section for rigid conductor cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross-section of access and exit with screws, for flexible conductor 1 / 16 mm² Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Total power loss under IN	8.1 W
Protected against nuisance tripping No Short-time delayed No Short-time delay	Power loss per pole at In	3.6 W
Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw 1000 for prail clip for modular devices metallic 1000 for modular devices modular devices No 1000 for modular devices No	Tripping	
Electric endurance in number of cycles 2000 Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices with screw 719h of top rail clip for modular devices NA 729h of bottom rail clip for modular devices metallic 729h of Bottom Connection for modular devices No 840 Bottom removability for modular devices No 860 Bottom removability for modular devices No 860 Bottom removability for modular devices No 860 Bottom cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. Flexible conductor 1/25 mm² Connection cross-sect. Flexible 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 Connection cross-section of access and exit with screws, for flexible conductor 1/16 mm² Connection cross-section of access and exit with screws, for flexible conductor 1/16 mm²	Protected against nuisance tripping	No
Electric endurance in number of cycles Number of mechanical operations Installation, mounting Type of top connection for modular devices Tightening torque 2,8Nm Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices Top removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-section of the access with screws, with flexible conductor Connection cross-section of access and exit with screws, for flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Short-time delayed tripping	No
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Type of top connection for modular devices Tightening torque 2,8Nm Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices Type of Bottom Connection for modular devices Top removability for modular devices No Bottom removability for modular devices No Connection Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Number of mechanical operations	4000
Tightening torque 2,8Nm Type of top rail clip for modular devices NA Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices Blconnect Top removability for modular devices No Bottom removability for modular devices No Connection Connection Connection cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. flexible conductor 16mm² Connection cross-sect. rigid cable 25mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Installation, mounting	
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Type of Bottom rail clip for modular devices Type of Bottom Connection for modular devices Blconnect Top removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-sect. rigid cable Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Tightening torque	2,8Nm
Type of Bottom Connection for modular devices Top removability for modular devices No Bottom removability for modular devices No Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross-section of access and exit with screws, for flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Type of top rail clip for modular devices	NA
devices Blconnect Top removability for modular devices No Bottom removability for modular devices No Connection Connection Cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. flexible conductor 16mm² Connection cross-sect. rigid cable 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 Connection cross section of access and exit with screws, for flexible conductor 1/16 mm²	Type of bottom rail clip for modular devices	metallic
Bottom removability for modular devices Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-sect. rigid cable Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²		Blconnect
Connection Connection cross-section at output with screw, for massive conductor Connection cross-sect. flexible conductor Connection cross-sect. rigid cable Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor Connection cross-section of the access with screws, with flexible conductor Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Top removability for modular devices	No
Connection cross-section at output with screw, for massive conductor 1 / 25 mm² Connection cross-sect. flexible conductor 16mm² Connection cross-sect. rigid cable 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 Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Bottom removability for modular devices	No
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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 Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Connection cross-sect. flexible conductor	16mm²
conductor, upstream terminals with screws 1 / 25 mm² Connection cross-section of the access with screws, with flexible conductor 1 / 16 mm² Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Connection cross-sect. rigid cable	25mm²
Connection cross-section of the access with screws, with flexible conductor 1 / 16 mm² Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²		1 / 25 mm²
Connection cross section of access and exit with screws, for flexible conductor 1 / 16 mm²	Connection cross-section of the access with	<u>·</u>
	Connection cross section of access and exit	<u>.</u>
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Standards	
Standard text	IEC 61008-1 ; EN 61008-1
Safety	
Residual current type	AC
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-2540 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m

-55...70 °C

Storage/transport temperature