CD440J

RCCB 4P 40A 30mA A Class

Technical properties

Architecture	
Neutral position	right
Number of poles	4 P

Configuration	
Number of modules	4

Main electrical features	
Rated operational voltage Ue	230 / 400 V
Frequency	50 Hz

Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current	
Rated residual operating current	30 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

Electric current / temperature	
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
Rating current 40°C	40 A
Rating current 45°C	40 A
Rating current 50°C	40 A

Rating current 55°C	40 A
Rating current 60°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	83 mm
Width of installed product	70 mm
Construction size (DIN 43880)	1

Frequency

Frequency	50 Hz

Power

Total power loss under IN	6.5 W
Power loss per pole at In	2.3 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	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	BIconnect
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 connection	with screw

Standards

Standard text	IEC 61008-1 ; EN 61008-1

Safety

Residual current type	A
REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

Operating temperature	-25…40 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-55…70 °C

CD463J

RCCB 4P 63A 30mA A Class

Technical properties

Architecture	
Neutral position	right
Number of poles	4 P

Configuration	
Number of modules	4

Main electrical features	
Rated operational voltage Ue	230 / 400 V
Frequency	50 Hz

Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current	
Rated residual operating current	30 mA
Rated current	63 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

Electric current / temperature	
Rating current -25°C	63 A
Rating current -20°C	63 A
Rating current -15°C	63 A
Rating current -10°C	63 A
Rating current -5°C	63 A
Rating current 0°C	63 A
Rating current 5°C	63 A
Rating current 10°C	63 A
Rating current 15°C	63 A
Rating current 20°C	63 A
Rating current 25°C	63 A
Rating current 30°C	63 A
Rating current 35°C	63 A
Rating current 40°C	63 A
Rating current 45°C	60 A
Rating current 50°C	58 A

Rating current 55°C	55 A
Rating current 60°C	51 A
Rating current 65°C	48 A
Rating current 70°C	45 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	18.5 W
Power loss per pole at In	7.9 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	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	BIconnect
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 connection	with screw

Standards

Standard text	IEC 61008-1 ; EN 61008-1

Safety

Residual current type	A
REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

Operating temperature	-25…40 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-55…70 °C

Product Datasheet
CD240J

CD240J

RCCB 2P 40A 30mA A Class

Technical Features

Architecture

Type of pole	1P+N
Number of poles	2

Electric current

Rated current IN	40 A
Rated residual operating current Idn	30 mA
Breaking and opening capacity Idm	1.50 kA
Rated conditional short-circuit current Inc according to EN61008-1	6 kA
Rated current -25°C	40 A
Rated current at -20°C	40 A
Rated current -15°C	40 A
Rated current -10°C	40 A
Rated current -5°C	40 A
Rated current at 0°C	40 A
Rated current 5°C	40 A
Rated current 10°C	40 A
Rated current 15°C	40 A
Rated current at 20°C	40 A
Rated current 25°C	40 A
Rated current 30°C	40 A
Rated current 35°C	40 A
Rated current at 40°C	40 A
Rated current at 45°C	38 A
Rated current at 50°C	37 A
Rated current 55°C	34 A
Rated current 60°C	30 A
Rated current 65°C	26 A
Rated current 70°C	21 A

Installation, mounting

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

Connectivity

Type of connection	Screw terminal

Voltage

Rated operational voltage Ue	230 - 230 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	253 V

Frequency

Frequency	50 - 50 Hz

Capacity

Number of modules	2

Compatibility

Suitable for DIN Rail	Yes

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Installation, mounting

Type of top connection for modular devices	Screw terminal

Installation, mounting	
Type of bottom connection for modular devices	biconnect
Nominal tightening torque	2.80 - 2.80 Nm
Connection	
Cross-section of output with screws, for massive conductors	1 - 25 mm^2
Cross-section of output with screws, for flexible conductors	1 - 16 mm^2
Cross-section flexible conductor	16 mm^2
Cross-section rigid conductor	25 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm^2
Cross-section of input and output with screws, for massive conductors	1 - 25 mm^2
Power	
Power dissipation at IN	6.24 W
Use conditions	
Max. altitude	2000 m
Operating temperature	-25 - 40 °C
Endurance	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
Connectivity	
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	83 mm
Width	35 mm
Depth	70 mm
Sustainability	
RoHS conform	Yes