



CDA225E

## RCCB 2P 25A 30mA A Class

## **Technical properties**

Number of modules

Architecture	
Neutral position	right
Number of poles	2 P
Configuration	

Controls and indicators	
Ground fault signalisation	yes

Main electrical features	
Rated operational voltage Ue	230 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	25 A
Withstand not tripping on 8-20 μs wave	0.25 kA
Breaking and opening capacity	630 A
Rated conditional short-circuit current Inc	
according to EN 61008-1	6 kA

according to EN 61006-1	0 KA
Electric current / temperature	
Rating current -25°C	25 A
Rating current -20°C	25 A
Rating current -15°C	25 A
Rating current -10°C	25 A
Rating current -5°C	25 A
Rating current 0°C	25 A

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

Rating current 50°C 25 A Rating current 55°C 25 A Rating current 60°C 25 A Rating current 60°C 25 A Rating current 60°C 25 A Rating current 70°C 21 A  Dimensions  Depth of installed product 70 mm Height of installed product 83 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency 50 Hz  Power  Total power loss under IN 2.32 W Power loss per pole at In 1.23 W  Tripping  Protected against nuisance 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	Rating current 40°C	25 A
Rating current 55°C 25 A Rating current 60°C 25 A Rating current 60°C 25 A Rating current 70°C 21 A  Dimensions  Depth of installed product 70 mm Height of installed product 83 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency 50 Hz  Power  Total power loss under IN 2.32 W Power loss per pole at in 1.23 W  Tripping  Protected against nuisance tripping No Short-time delayed tripping No Short-time delayed tripping No Short-time delayed tripping No Short-time delayed tripping No Final power of mechanical operations 40000  Installation, mounting Type of top connection for modular devices with screw 15 plotted in prodular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes Connection Connection cross-section at output with screw 1/25 mm² Connection cross-sect, flexible conductor 1 formed connection cross-sect, flexible conductor 1 formed connection cross-section of tripid conductor, upstream terminals with screws 1/25 mm² Connection cross-section of tripid conductor, upstream terminals with screws 1/25 mm² Connection cross-section of tripid conductor, upstream terminals with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of access and exit	Rating current 45°C	25 A
Rating current 60°C 25 A Rating current 65°C 25 A Rating current 70°C 21 A  Dimensions  Depth of installed product 83 mm Width of installed product 35 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency  Frequency  Frequency 50 Hz  Power  Total power loss under IN 2.32 W Power loss per pole at In 1.23 W  Tripping  Protected against nuisance tripping No Short-time delayed tripping No Short-time delayed tripping No Installation, mounting  Type of top connection for modular devices with screw Tightening torque 2,88mm Type of bottom rail clip for modular devices metallic Type of Bottom Connection for modular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes  Connection  Connection cross-section for ripid connection cross-section for ripid conductor, upstream terminals with screws 1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws 1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor, upstream terminals with screws (1,725 mm² Connection cross-section for ripid conductor (1,716 mm² Connection cross-section for ripid conductor (1,716 mm² Connection cross-sec	Rating current 50°C	25 A
Rating current 65°C 25 A Rating current 70°C 21 A Rating current 70°C 20 mm Rating current 70°C 70 mm Rating current 65°C 70 mm Ratin	Rating current 55°C	25 A
Rating current 70°C 21 A  Dimensions  Depth of Installed product 70 mm Helight of installed product 83 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency  Frequency 50 Hz  Power  Total power loss under IN 2.32 W  Power loss per pole at In 1.23 W  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 screws 11ghtening 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 Motom Form Connection for modular devices Yes Connection Consessect flexible conductor 1/25 mm² Connection cross-sect flexible conductor 1/25 mm² Connection cross-sect flexible conductor 1/25 mm² Connection cross-section at output with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/25 mm² Connection cross-section of the access with screws 1/26 mm² Connection cross-section of the access with screws 1/26 mm² Connection cross-section of the access with screws 1/26 mm² Connection cross-section of the access with screws 1/26 mm² Connection cross-sect	Rating current 60°C	25 A
Dimensions  Depth of installed product 70 mm Helght of installed product 33 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency  Frequency  Frequency 50 Hz  Power  Total power loss under IN 2.32 W Power loss per pole at In 1.23 W  Tripping  Protected against nuisance 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 2.8Nm Type of top rail clip for modular devices metallic Type of Bottom rail clip for modular devices metallic Type of Bottom rounding devices No Bottom removability for modular devices Yes  Connection Connection at output with screw for massive conductor 1,25 mm² Connection cross-sect. rigid cable 25 mm² Connection cross-section of rigid conductor, upstream terminals with screws 1,125 mm² Connection cross-section of rigid conductor cross-section of rigid conductor, upstream terminals with screws 1,125 mm² Connection cross-section of the access with screws with flexible conductor 1,125 mm² Connection cross-section of rigid conductor, upstream terminals with screws 1,125 mm² 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 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 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 the access with screws with flexible conductor 1,16 mm² Connection cross-section of the access with screws with flexible conductor 1,16 mm²	Rating current 65°C	25 A
Depth of installed product 83 mm Height of installed product 83 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency 50 Hz Power Total power loss under IN 2.32 W Power loss per pole at In 1.23 W 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 150 Hottom rail clip for modular devices metallic Type of Bottom Connection for modular devices No Bottom removability for modular devices No Bottom rem	Rating current 70°C	21 A
Height of installed product 35 mm Width of installed product 35 mm Construction size (DIN 43880) 1  Frequency Frequency 50 Hz  Power Total power loss under IN 2.32 W Power loss per pole at In 1.23 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 1000 Type of Bottom Connection for modular devices metallic Type of Bottom Connection for modular devices No Bottom removability for modular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes Connection Connection cross-section at output with screw, for massive conductor 1/25 mm² Connection cross-sect. rigid cable 25 mm² Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of trigid conductor, supstream terminals with screws Connection cross-section of access with screws (In 1/25 mm² Connection cross-section of the access with screws, for missive conductor 1/25 mm² Connection cross-section of the access with screws, with fiscible conductor 1/16 mm² Connection cross-section of access and exit	Dimensions	
Width of installed product 35 mm  Construction size (DIN 43880) 1  Frequency 50 Hz  Power  Total power loss under IN 2.32 W Power loss per pole at In 1.23 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 11 per or modular devices metallic type of Bottom rail clip for modular devices metallic type of Bottom rail clip for modular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes  Connection  Connection cross-section at output with screw, for massive conductor 1 / 25 mm²  Connection cross-sect. rigid cable 25 mm²  Connection cross-section of 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 the access with screws, with flexible conductor 1 / 16 mm²  Connection cross-section of the access with screws, with flexible conductor 1 / 1 / 16 mm²  Connection cross-section of the access with screws, with flexible conductor 1 / 1 / 16 mm²  Connection cross-section of the access with screws, with flexible conductor 1 / 1 / 16 mm²  Connection cross-section of cacess and exit	Depth of installed product	70 mm
Frequency Frequency Frequency Frequency Frequency Frequency Fower Total power loss under IN Total power loss per pole at In 1.23 W Power loss per pole at In 1.23 W Tripping Protected against nuisance tripping No Short-time delayed tripping No Fendurance Electric endurance in number of cycles Electric endurance in number of cycles Number of mechanical operations 4000 Installation, mounting Type of top connection for modular devices With screw Tightening torque 2.88mm 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 Bottom removability for modular devices No Bottom removability for modular devices Yes  Connection Connection cross-section at output with screw, for massive conductor 1 / 25 mm² Connection cross-sect. rigid cable 25mm² Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with screws, with flexible conductor 1 / 25 mm² 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 the access with screws, with flexible conductor 1 / 16 mm² Connection cross-section of cacess and exit	Height of installed product	83 mm
Frequency	Width of installed product	35 mm
Power Total power loss under IN 2.32 W Power loss per pole at In 1.23 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 179e of bottom rail clip for modular devices MA 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 170e re	Construction size (DIN 43880)	1
Power Total power loss under IN 2.32 W Power loss per pole at In 1.23 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 1799 of bottom rail clip for modular devices metallic 1799 of bottom rail clip for modular devices metallic 1799 of Bottom Connection for modular devices 1709 removability for modular devices 1700 removab	Frequency	
Total power loss under IN 2.32 W Power loss per pole at In 1.23 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 179 per of top rail clip for modular devices metallic 179 per of bottom rail clip for modular devices metallic 179 per of Bottom Connection for modular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes  Connection  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 for rigid conductor, upstream terminals with screws 1/25 mm² Connection cross-section of the access with screws, with flexible conductor 1/25 mm² Connection cross-section of the access with screws, with flexible conductor 1/26 mm² Connection cross-section of the access with screws, with flexible conductor 1/26 mm² Connection cross-section of access and exit	Frequency	50 Hz
Power loss per pole at In 1.23 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 179 to premovability for modular devices metallic 179 to 9 f Bottom Connection for modular devices Modure 179 to 9 f Bottom Connection for modular devices No Bottom removability for modular devices No Bottom removability for modular devices Yes  Connection  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 1/25 mm² Connection cross-section of the access with screws, with flexible conductor 1/16 mm² Connection cross-section of access and exit	Power	
Tripping  Protected against nuisance tripping  No Short-time delayed tripping  No Fendurance  Electric endurance in number of cycles  Number of mechanical operations  Number of mechanical operations  Installation, mounting  Type of top connection for modular devices  Tightening torque  Z,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  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	Total power loss under IN	2.32 W
Protected against nuisance tripping  Short-time delayed tripping  No  Endurance  Electric endurance in number of cycles  Sumber 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  Type of Bottom Connection for modular devices  Biconnect  Top removability for modular devices  No  Bottom removability for modular devices  Yes  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 cocess and exit	Power loss per pole at In	1.23 W
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Electric endurance in number of cycles 2000 Number of mechanical operations 4000  Installation, mounting  Type of top connection for modular devices with screw 7199 of top rail clip for modular devices NAType of bottom rail clip for modular devices metallic 7199 of Bottom Connection for modular devices Blconnect 7290 of Bottom Connection for modular devices NAType of Bottom Connection for modular devices National Revices Nation	Protected against nuisance tripping	No
Number of mechanical operations  Installation, mounting  Type of top connection for modular devices with screws in the screw for medical perations  With screw and the screws are screws and the screws are screws and the screws and the screws are screws are screws and the screws are screws are screws and the screws are screws and the screws are screws are screws and the screws are screws are screws and the screws are screws are screws are screws and the screws are		110
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 Blconnect  Top removability for modular devices No  Bottom removability for modular devices Yes  Connection  Connection cross-section at output with screw, for massive conductor 1/25 mm²  Connection cross-sect. rigid cable 25mm²  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 access and exit	Electric endurance in number of cycles	2000
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  Yes  Connection  Connection  Connection cross-section at output with screw, for massive conductor  Connection cross-sect. flexible conductor  Connection cross-sect. rigid cable  25mm²  Connection cross-section of rrigid conductor, upstream terminals with screws  Connection cross-section of the access with screws, with flexible conductor  1/16 mm²  Connection cross-section of access and exit	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 Yes  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	Installation, mounting	
Type of top rail clip for modular devices  Type of bottom rail clip for modular devices  Type of Bottom Connection for modular devices  Top removability for modular devices  Blconnect  Top removability for modular devices  No  Bottom removability for modular devices  Yes  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  1 / 16 mm²  Connection cross-section of access and exit	Type of top connection for modular devices	with screw
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 Yes  Connection  Connection cross-section at output with screw, for massive conductor 1 / 25 mm²  Connection cross-sect. rigid cable 25mm²  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	Tightening torque	2,8Nm
Type of Bottom Connection for modular devices  Top removability for modular devices  No Bottom removability for modular devices  Connection  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	Type of top rail clip for modular devices	NA
devices Blconnect Top removability for modular devices No Bottom removability for modular devices Yes  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	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		Blconnect
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	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	Bottom removability for modular devices	Yes
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	Connection	
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		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	Connection cross-sect. flexible conductor	16mm²
conductor, upstream terminals with screws 1 / 25 mm <sup>2</sup> Connection cross-section of the access with screws, with flexible conductor 1 / 16 mm <sup>2</sup> Connection cross section of access and exit	Connection cross-sect. rigid cable	25mm²
screws, with flexible conductor 1 / 16 mm <sup>2</sup> Connection cross section of access and exit		1 / 25 mm²
Connection cross section of access and exit		1 / 16 mm²
	Connection cross section of access and exit	

With transparent product label holder	Yes
Standards	
Standard text	EN 61008-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Residual current type	А
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
Storage/transport temperature	-5570 °C