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PRODUCT-DETAILS

SHD203/63

SHD203/63 Switch Disconnectors



| General Information | |
|-----------------------|---|
| Extended Product Type | SHD203/63 |
| Product ID | 2CDD273111R0063 |
| EAN | 4016779904476 |
| Catalog Description | SHD203/63 Switch Disconnectors |
| Long Description | SHD203/63 - Switch Disconnector 3P, 63A |

| ABB EcoSolutions | |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value | |
|---|---|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 40.8 % |
| Group Waste to Landfill Target | No non-hazardous waste is sent to a landfill |

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| Offered with Extended Lifetime | Product Durability |
|-----------------------------------|-------------------------|
| Offered with Takeback Services | Take Back for Recycling |
| End of Life Instructions | 9AKK108469A1171 |

| Technical Rated Voltage (Ur) Rated Operational Roted Operational Roted Operational Roted Operational Roted Operational Roted Operational Voltage Roted Impulse Roted Impu | | |
|--|---------------------------------|---|
| Rated Operational Voltage | Technical | |
| Rated Operational Voltage 415 V AC Voltage Operational Voltage Maximum 436 V AC Maximum 436 V AC Minimum 12 V AC | Rated Voltage (U _r) | |
| Voltage Maximum 436 V A C Minimum 12 V AC Rated Impulse 4 kW Withstand Voltage (Uimp) at 200 m 5 kW Imput Voltage Type AC COMMENT Rated Current (In) 63 A Rated Conditional Short-Circuit Current (Inc) 10 kA Rated Frequency (f) 50 / 60 Hz Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Mumber of Contacts CO 0 Number of Contacts NO 3 Number of Contacts NO 3 Number of Poles 3 Vervoltage Category Ill Tightening Torque 2 km Utilization Category Switching of mixed resistive and inductive loads, including moderate coverloads - frequent actuation (Ac-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Cable Clamp Switch Type Cable Clamp Switch Type Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealable | | |
| Rated Impulse 4 kW Withstand Voltage (Uimp) at 2000 m 5 kW Input Voltage Type AC Rated Conditional Short-Circuit Current (Inc) 63 AA Rated Conditional Short-Circuit Current (Inc) 50 / 60 Hz Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NO 3 Number of Contacts NO 3 Overvoltage Category III Tightening Torque 2 Num Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (Ac-22A) Actuator Type Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (Ac-22A) Screw Terminal Type Cable Clamp Scrive Type Cable Clamp Scrive Type Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealab | · | 415 V AC |
| Withstand Voltage (Uinp) 1 at 2000 m 5 kV 1 by 1 at 2000 m 5 kV 1 by 1 by 10 tage Type 2 at 200 m 5 kV 2 by 1 by 10 tage Type 3 at 2000 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type 4 at 200 m 5 kV 3 by 10 tage Type Type Type Type Type Type Type Typ | Operational Voltage | |
| Withstand Voltage (Uimp) at a Seal Evel 6.2 kV Input Voltage Type AC Rated Current (In) 63 A Rated Conditional Short-Circuit Current (Inc) 10 kA Rated Frequency (f) 50 / 60 Hz Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NO 3 Number of Poles 3 Overvoltage Category 3 Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation AC-22al Actuator Type Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation AC-22al Screw Terminal Type Cable Clamp Switch Type Cable Clamp Switch Type Gable Clamp Switch Type Insulation Group I, Red, Se | Rated Impulse | 4 kV |
| Input Voltage Type Rated Current (In) Rated Conditional Short- Circuit Current (Inc) Rated Frequency (f) Rated Gopting Frequency (f) Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Endurance Rated Operating Conditions per Pole 5.03 W Rethanical Insulation Group II, Red, Sealable Rousing Material Insulation Group II, R | · | at 2000 m 5 kV |
| Rated Current (In) Rated Conditional Short- Circuit Current (Inc) Rated Frequency (f) So / 60 Hz Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO Number of Contacts NC Number of Contacts NC Number of Poles 3 Number of Poles 3 Number of Poles 3 Number of Poles 3 Number of Lategory Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Switch |) | at Sea Level 6.2 kV |
| Rated Conditional Short- Circuit Current (Inc) Rated Frequency (f) 50 / 60 Hz Power Loss 50 / 60 Hz Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NC 0 Number of Poles 3 Number of Poles 4 Number of Contacts NO 1 Number of Poles 1 Novervoltage Category III Tightening Torque 2 New 1 Noticities of mixed resistive and inductive loads, including moderate overloads - frequent actuation (Ac-22A) Actuator Type Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (Ac-22A) Actuator Type South Type Cable Clamp Switch Type 0 Actuator Marking 1 Actuator Marking 1 Actuator Marking 1 Actuator Marking 1 Nounting Position 1 Red, Sealable Housing Material 1 Insulation Group I, Red, Sealable Housing Material 1 Nounting Position 2 Recommended Screw Pozidriv 2 Driver 1 Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 25 mm² Stranded 0 | Input Voltage Type | AC |
| Circuit Current (Inc) Rated Frequency (f) 50 / 60 Hz Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Mumber of Contacts CO 0 Number of Contacts NC 0 Number of Poles 3 Overvoltage Category III Tightening Torque 2 N-m Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Soley Clamp Screw Terminal Type Cable Clamp Switch Type Gold Actuator Marking Insulation Group II, Red, Sealable Housing Material Insulation Group I, Red, Sealable Housing Material Insulation Group I, Red, Sealable Housing Material Insulation Group I, Red, Sealable Housing Position any Recommended Screw Pozidriv 2 Driver Grey Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 25 mm² Stranded | Rated Current (In) | 63 A |
| Power Loss at Rated Operating Conditions per Pole 5.03 W Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NC 0 Number of Contacts NO 0 Number of Poles 3 Number of Contacts NO 3 Number of Poles 4 No Cover Color 6 No Cover Color 6 No Stranded 0.75 25 mm² Rigid 0.75 25 mm² Rigid 0.75 25 mm² Stranded 0 | | 10 kA |
| Electrical Endurance 10000 AC cycle Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NC 0 Number of Poles 3 Overvoltage Category Ill Tightening Torque 2 Num Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Material Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealable Hounting Position any Recommended Screw Pozidriv 2 Driver Pozidriv 2 Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 25 mm² Stranded 0.75 25 mm² | Rated Frequency (f) | 50 / 60 Hz |
| Mechanical Endurance 20000 cycle Number of Contacts CO 0 Number of Contacts NC 0 Number of Contacts NO 3 Number of Poles 3 Overvoltage Category III Tightening Torque 2 N·m Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Screw Terminal Type Cable Clamp Switch Type 0 Actuator Marking I / O Actuator Marking I Nounting Position any Recommended Screw Pozidriv 2 Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Power Loss | at Rated Operating Conditions per Pole 5.03 W |
| Number of Contacts CO Number of Contacts NC Number of Contacts NO Number of Contacts NO Number of Poles 3 Number of Poles 3 Overvoltage Category Ill Tightening Torque 2 N-m Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Screw Terminal Type Screw Terminal Type Screw Terminal Type Switch Type Actuator Marking Actuator Marking I / O Actuator Marking Insulation Group II, Red, Sealable Housing Material Insulation Group I, RAL 7035 Mounting Position any Recommended Screw Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Electrical Endurance | 10000 AC cycle |
| Number of Contacts NC Number of Contacts NO Number of Contacts NO Sumber of Poles Sumber of Mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Sumber of Poles Sumber of Mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Sumber of Mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Sumber of Mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Sumber overload | Mechanical Endurance | 20000 cycle |
| Number of Contacts NO Number of Poles Overvoltage Category Ill Tightening Torque Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking Actuator Marking I / O Actuator Material Housing Material Housing Material Housing Material Insulation Group II, Red, Sealable Housing Material Housing Position any Recommended Screw Pozidriv 2 Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Number of Contacts CO | 0 |
| Number of Poles Overvoltage Category Ill Tightening Torque 2 N·m Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking I / O Actuator Material Housing Material Housing Material Housing Position Recommended Screw Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Number of Contacts NC | 0 |
| Overvoltage Category Tightening Torque 2 N·m Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking Actuator Material Housing Material Housing Material Housing Position Recommended Screw Driver Accessories Available Cover Color Core Color Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Number of Contacts NO | 3 |
| Tightening Torque Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking Iroque Insulation Group II, Red, Sealable Housing Material Insulation Group I, RAL 7035 Mounting Position Recommended Screw Driver Accessories Available Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Number of Poles | 3 |
| Utilization Category Switching of mixed resistive and inductive loads, including moderate overloads - frequent actuation (AC-22A) Actuator Type Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking Actuator Material Housing Material Housing Material Housing Position Recommended Screw Driver Accessories Available Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Overvoltage Category | III |
| Actuator Type Toggle Screw Terminal Type Cable Clamp Switch Type Off Actuator Marking Insulation Group II, Red, Sealable Housing Material Insulation Group II, Red, Sealable Housing Material Insulation Group II, RAL 7035 Mounting Position any Recommended Screw Pozidriv 2 Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Tightening Torque | 2 N·m |
| Screw Terminal Type Switch Type Actuator Marking Actuator Material Housing Material Housing Material Mounting Position Recommended Screw Driver Accessories Available Cover Color Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Utilization Category | |
| Switch Type Actuator Marking Actuator Material Housing Material Mounting Position Recommended Screw Driver Accessories Available Cover Color Connecting Capacity Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Actuator Type | Toggle |
| Actuator Marking Actuator Material Insulation Group II, Red, Sealable Housing Material Insulation Group I, RAL 7035 Mounting Position Recommended Screw Pozidriv 2 Driver Accessories Available Over Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Screw Terminal Type | Cable Clamp |
| Actuator Material Insulation Group II, Red, Sealable Housing Material Insulation Group I, RAL 7035 Mounting Position any Recommended Screw Pozidriv 2 Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² Stranded 0.75 25 mm² | Switch Type | Off |
| Housing Material Insulation Group I, RAL 7035 Mounting Position any Recommended Screw Pozidriv 2 Driver Accessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Actuator Marking | 1/0 |
| Mounting Position any Recommended Screw Pozidriv 2 Driver Roccessories Available No Cover Color Grey Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Actuator Material | Insulation Group II, Red, Sealable |
| Recommended Screw Driver Accessories Available Cover Color Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Housing Material | Insulation Group I, RAL 7035 |
| Driver Accessories Available Cover Color Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Mounting Position | any |
| Cover Color Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | | Pozidriv 2 |
| Connecting Capacity Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm² | Accessories Available | No |
| Rigid 0.75 25 mm ² Stranded 0.75 25 mm ² | Cover Color | Grey |
| Stranded 0.75 25 mm ² | Connecting Capacity | Flexible 0.75 16 mm² |
| Terminal Type Screw Terminals | | |
| | Terminal Type | Screw Terminals |

| Material Compliance | |
|---------------------|--|
| RoHS Information | 2CDK440035D2703 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20210528 |
| REACH Declaration | 9AKK108468A9644 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |

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| REACH Date | 20231212 |
|--------------------|-----------------|
| Conflict Minerals | 9AKK108468A3363 |
| Reporting Template | |
| (CMRT) | |

| Environmental | |
|--------------------------|--|
| Ambient Air | Operation -25 +55 °C Storage -40 +70 °C |
| Temperature | 5torage -40 +70 C |
| Degree of Protection | IP20 |
| | Enclosure with Cover IP40 |
| Pollution Degree | 3 |
| Environmental | 28 cycles |
| Conditions | with 55 °C / 90-96 % |
| | and 25 °C / 95-100 % |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 5g 5 150 5 Hz |
| Resistance to Shock acc. | 25g 2 shocks 13 ms |
| to IEC 60068-2-27 | |

| Dimensions | |
|--|----------|
| Width in Number of Modular Spacings | 3.0 |
| Product Net Width | 52.5 mm |
| Product Net Height | 85 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 0.225 kg |
| Built-In Depth (t ₂) | 69 mm |

| Ordering | |
|---------------------------------|---------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Gross Weight | 0.24 kg |

| Certificates and Declarations | |
|-------------------------------|-----------------|
| Declaration of | 2CDK440035D2703 |
| Conformity - CE | |

| Installation | |
|------------------|-----------------|
| Instructions and | 2CDC441016D0201 |
| Manuals | |

| Popular Downloads | |
|-----------------------|-----------------|
| Data Sheet, Technical | 2CDC441016D0201 |
| Information | |

Classifications

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| EC001545 - Main switch for distribution board |
|--|
| 5. Small Equipment (No External Dimension More Than 50 cm) |
| Business To Consumer |
| 8536 90 95 |
| V11.0 : 27142301 |
| Q |
| |

Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow Command\ and\ Signalling\ Devices \rightarrow Switch\ Disconnectors$







