



PRODUCT-DETAILS

SHD202/50

SHD202/50 Switch Disconnecter 2P, 50A



General Information	
Extended Product Type	SHD202/50
Product ID	2CDD272111R0050
EAN	4016779904407
Catalog Description	SHD202/50 Switch Disconnecter 2P, 50A
Long Description	SHD202/50 - Switch Disconnecter 2P, 50A

ABB EcoSolutions	
ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A7206
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 83.9 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108469A1171
Environmental Product Declaration - EPD	9AKK108471A4714

Technical

Electrical Endurance	10000 AC cycle
Mechanical Endurance	20000 cycle
Number of Poles	2P
Tightening Torque	2 N·m
Utilization Category	Switching of resistive loads, including moderate overloads - frequent actuation (DC-21A) 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	Insulation Group II, Red, Sealable
Recommended Screw Driver	Pozidriv 2
Accessories Available	No
Cover Color	Grey
Connecting Capacity	Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Terminal Type	Screw Terminals

Electrical

Rated Voltage (U_r)	415 V 12 V Minimum
Rated Operational Voltage	415 V AC 125 V DC
Operational Voltage	Maximum 436 V AC Maximum 131 V DC Minimum 12 V AC
Rated Impulse Withstand Voltage (U_{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC/DC
Rated Current (I_n)	50 A
Rated Conditional Short-Circuit Current (I_{nc})	10 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	at Rated Operating Conditions per Pole 3.17 W
Number of Contacts CO	0
Number of Contacts NC	0
Number of Contacts NO	2
Overvoltage Category	III

Design

Housing Material	Insulation Group I, RAL 7035
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Material Compliance

RoHS Declaration	2CDK440035D2703
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20210528
REACH Declaration	9AKK107492A1906
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20250917

Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles 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. to IEC 60068-2-27	25g 2 shocks 13 ms

Dimensions

Width in Number of Modular Spacings	2.0
Product Net Width	35 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.15 kg
Built-In Depth (t ₂)	69 mm

Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	0.8 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK440035D2703
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Installation

Instructions and Manuals	2CDC441016D0201
Mounting Position	any

Popular Downloads

Data Sheet, Technical Information	2CDC441016D0201
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External Classifications and Standards

ETIM 9	EC001545 - Main switch for distribution board
ETIM 10	EC001545 - Main switch for distribution board

UNSPSC	39122233
eClass	V11.0 : 27142301
Object Classification Code	Q

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Switch Disconnectors
Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

