



PRODUCT-DETAILS

SHD203/50

SHD203/50 Switch Disconnecter 3P, 50A



General Information	
Extended Product Type	SHD203/50
Product ID	2CDD273111R0050
EAN	4016779904469
Catalog Description	SHD203/50 Switch Disconnecter 3P, 50A
Long Description	SHD203/50 - Switch Disconnecter 3P, 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	3P
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	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
Operational Voltage	Maximum 436 V AC 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
Rated Current (I _n)	50 A
Rated Conditional Short-Circuit Current (I _{nc})	10 kA
Rated Frequency (f)	50 / 60 Hz
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	3
Overvoltage Category	III

Design

Housing Material	Insulation Group I, RAL 7035
------------------	------------------------------

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	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	carton 1 piece
Package Level 1 Gross Weight	0.24 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK440035D2703
--------------------------------	-----------------

Installation

Instructions and Manuals	2CDC441016D0201
Mounting Position	any

Popular Downloads

Data Sheet, Technical Information	2CDC441016D0201
-----------------------------------	-----------------

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

