



PRODUCT-DETAILS

DSE201 B20 AC30 - N Blue

Residual Current Circuit Breaker with
Overcurrent Protection DSE201 - 1P+N - 30 mA
- 20 A - B - Type AC



General Information

Extended Product Type:	DSE201 B20 AC30 - N Blue
Product ID:	2CSR255051R1205
EAN:	8012542659822
Catalog Description:	Residual Current Circuit Breaker with Overcurrent Protection DSE201 - 1P+N - 30 mA - 20 A - B - Type AC
Long Description:	1P+N electronic RCBO in one-module width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). Presence of neutral (blue or black) and functional earth (white) flying leads. The neutral is unswitched
Display Name:	DSE201 B20 AC30 - N Blue

ABB EcoSolutions

ABB EcoSolutions:	Yes
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Recyclability Rate of the Product acc. to EN45555: Design for Closing Resource Loops - Standard EN45555 - 80.56 %

ABB Site Meeting Group Waste To Landfill Target: No non-hazardous waste is sent to a landfill
UL 2799 Zero Waste To Landfill Validation available

Sustainable Material Content in Packaging (wt. %): Recycled Cardboard - 98 %

Extended Product Lifetime: Product Durability

End Of Life Disassembling Instructions: 9AKK108470A4697

Environmental Product Declaration - EPD: 9AKK108470A7843

Technical

Type of Residual Current:	Type AC
Maximum Operating Voltage:	264 V
Test Voltage (Ut):	195 ... 264 V
Dielectric Test Voltage:	2 kV
Rated Residual Breaking Capacity (IΔm):	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of Icu (I$_{cs}$):	6 kA
Maximum Surge Current:	0.25 kA
Power Supply Connection:	Bottom
Contact Position Indication:	Red ON / Green OFF
Energy Limiting Class:	3
Electrical Endurance:	10000 cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	1
Number of Poles:	1P+N
Number of Modular Spacings per DIN Rail:	1
Operating Characteristic:	Instantaneous
Position of Neutral Terminals:	Right
Tightening Torque:	Top 1.2 N·m Bottom 2.8 N·m
Actuator Type:	Toggle
Earthing Switch Type:	Undelayed
Housing Type:	Insulation group II, RAL 7035
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided:	None
Accessories Available:	No
Connecting Capacity:	Busbar 10 mm ² Rigid 1...25 mm ² Flexible 1...16 mm ²
Rated Cross-Section:	1 - Solid-Core 1...25 mm ² 4 - Multi-Wired 1 ... 16 mm ²
Wire Stripping Length:	Top 11 mm Bottom 12.5 mm

Terminal Type: Screw Terminals

Electrical

Short-Circuit Current Rating (SCCR):	0.03 A
Tripping Characteristic:	B
Rated Operational Voltage:	acc. to IEC 60898-1 240 V
Rated Insulation Voltage (U _i):	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U _{imp}):	4 kV
Input Voltage Type:	AC
Rated Current (I _n):	20 A
Rated Residual Current:	30 mA
Rated Short-Circuit Capacity:	6 kA
Rated Conditional Short-Circuit Current (I _{nc}):	6 kA
Rated Frequency (f):	50 ... 60 Hz
Power Loss:	Total 5.5 W
Overvoltage Category:	III

Material Compliance

RoHS Declaration:	2CSC422006K2701
RoHS Information:	Following EU Directive 2011/65/EU
RoHS Date:	20140630
REACH Declaration:	9AKK108467A9482
REACH Information:	True - contains substances > 0.1 mass percentage
REACH Date:	20240429
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
Reference Ambient Air Temperature:	30 °C
Degree of Protection:	IP20 IP40
Pollution Degree:	2
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 or 0.35mm 5 ... 150 Hz

Resistance to Shock acc. to IEC 60068-2-30g / 2 shocks / 13 ms
27:

Environmental Information: refer to RoHS information

Dimensions

Width in Number of Modular Spacings:	1
Product Net Width:	18 mm
Product Net Height:	100 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	180 g
Built-In Depth (t ₂):	68.9 mm

Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	0.200 kg
Replacement Product ID (NEW):	2CSR255060R1205

Certificates and Declarations

Declaration of Conformity - CE:	9AKK106713A5595
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Installation

Instructions and Manuals:	9AKK106930A0912
Mounting Type:	DIN-Rail
Mounting Position:	Any

Popular Downloads

Data Sheet, Technical Information:	9AKK106930A0940
Mechanical Drawings:	9AKK106930A2028 9AKK106930A2026

External Classifications and Standards

ETIM 9:	EC000905 - Earth leakage circuit breaker
ETIM 10:	EC000905 - Earth leakage circuit breaker
eClass:	V11.0 : 27142207
Object Classification Code:	F

Standards: IEC 61009-1
IEC 61009-2-2
AS/NZS 61009.1

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Residual Current Devices RCDs > Residual Current Circuit Breakers with Overcurrent Protection RCBO

