PRODUCT-DETAILS

DSE201 M C40 A30 - N Blue

Residual Current Circuit Breaker with Overcurrent Protection DSE201 M - 1P+N - Type A - 30 mA - 40 A - C

Submitted by TECO Group



General Information

Extended Product Type	DSE201 M C40 A30 - N Blue
Product ID	2CSR275151R1404
EAN	8012542629733
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection DSE201 M - 1P+N - Type A - 30 mA - 40 A - C
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

ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 83.2 %
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	Recycled Cardboard - 96.89 %

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Subject to change without notice

Content in Packaging (wt. %)	
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108470A4699
Environmental Product Declaration - EPD	9AKK108470A7841

Technical

Type of Residual Current	Type A
Maximum Operating Voltage	264 V
Test Voltage (Ut)	195 … 264 V
Dielectric Test Voltage	2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	15 kA
Rated Residual Breaking Capacity (IΔm)	10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	7.5 kA
Rated Service Short-Circuit Breaking Capacity, in % of Icu (I_{cs})	7.5 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
Fault Indication	Blue Window
Operating Characteristic	Instantaneous
Position of Neutral Terminals	Right
Tightening Torque	Top 1.2 N·m Bottom 2.8 N·m
Accessory Type	Auxiliary contact Auxiliary/Signal contact Shunt trip Undervoltage release Overvoltage release Bottom fitting auxiliary contact
Actuator Type	Toggle - Insulation group II, black, sealable in ON-OFF positions
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	Yes

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Connecting Capacity	Busbar 10 mm² Rigid 1…35 mm² Flexible 1…16 mm²
Rated Cross-Section	1 - Solid-Core 1…35 mm² 4 - Multi-Wired 1 … 25 mm²
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	C
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)	40 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Conditional Short-Circuit Current (I_{nc})	10 kA
Rated Frequency (f)	50 … 60 Hz
Power Loss	5.5 W
Overvoltage Category	III

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Material Compliance

RoHS Declaration	9AKK106930A1510
RoHS Information	Following EU Directive 2011/65/EU
RoHS Date	20160829
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	28 cycles

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Conditions	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 60068-2-27	30g / 2 shocks / 13 ms

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	115 mm
Product Net Depth / Length	69 mm
Product Net Weight	200 g
Built-In Depth (t_2)	68.9 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.220 kg

Certificates and Declarations

Declaration of Conformity - CE	9AKK106930A0955

Installation

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

Popular Downloads

Data Sheet, Technical Information	9AKK106930A0939
Mechanical Drawings	9AKK106930A0965 9AKK106930A0964

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 BS EN 61009-1

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Categories

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





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