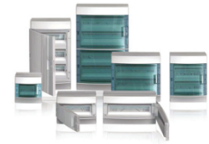


ABB Power Distribution Products

2CDS282001R0104

S202PC10 DP MCB C10A 25KA

ABB



Information

System pro M compact S200P miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 25 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200P comply with IEC/EN 60898-1, IEC/EN 609 47-2, UL1077 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200P to save 50% space.

Technical Specifications

Standards:	CSA 22.2 No. 235IEC/EN 60898-1IEC/EN 60947-2UL 1077
Tripping Characteristic:	C
Rated Operational Voltage:	acc. to IEC 60898-1 400 V ACacc. to IEC 60898-1 400 V acc. to IEC 60947-2 400 V AC
Operational Voltage:	Maximum (Incl. Tolerance) 125 V DCMaximum (Incl. Tolerance) 440 V ACMinimum 12 V ACMinimum 12 V DC
Rated Insulation Voltage (Ui):	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (Uimp):	4 kVat 2000 m 5 kVat Sea Level 6.2 kV

Dielectric Test Voltage:	50/60 Hz, 1 min: 2 kV
Input Voltage Type:	AC/DC
Rated Current (In):	10 A
Rated Short-Circuit Capacity:	(AC) 25 kA(230 V AC) 25 kA(400 V AC) 25 kA(400 V) 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (Icu):	(230 V AC) 25 kA(400 V AC) 25 kA(400 V) 25 kA
Rated Conditional Short-Circuit Current (Inc):	(230 V) 25 kA(400 V) 40 kA
Rated Service Short-Circuit Breaking Capacity (Ics):	(400 V AC) 12.5 kA
Rated Frequency (f):	50 / 60 Hz50 ... 60 Hz
Power Loss:	2.8 Wat Rated Operating Conditions per Pole 1.4 W
Power Supply Connection:	Arbitrary
Contact Position Indication:	Red ON / Green OFF
Energy Limiting Class:	3
Electrical Endurance:	20000 AC cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	2
Number of Poles:	2
Overvoltage Category:	III
Tightening Torque:	2.8 N·m
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking:	I / O
Actuator Material:	Insulation Group II, Black, Sealable
Housing Material:	Insulation Group II, RAL 7035
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	any
Recommended Screw Driver:	Pozidriv 2
Accessories Available:	Yes
Connecting Capacity:	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Installation Size:	acc. to DIN 43880 1
Terminal Type:	Screw Terminals
RoHS Status:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

RoHS Date:	0335
SCIP:	b0ff61fd-fab1-4a8b-9575-6a2e28f174ec Germany (DE)
Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature:	30 °C
Degree of Protection:	IP20IP40Enclosure with Cover IP40
Pollution Degree:	3
Environmental Conditions:	28 cycleswith 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
Maximum Operating Voltage UL/CSA:	480Y/277 V AC
Interrupting Rating acc. to UL1077:	(480 V AC) 10 kA(480Y / 277 V AC) 10 kA
Connecting Capacity UL/CSA:	Busbar 18-8 AWGConductor 18-4 AWG
Tightening Torque UL/CSA:	25 in·lb
Width in Number of Modular Spacings:	2
Product Net Width:	35 mm
Product Net Height:	88 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	0.28 kg
Pole Net Weight:	0.14 kg
Built-In Depth (t2):	69 mm
Package Level 1 Units:	carton 5 piece
Package Level 1 Gross Weight:	1.45 kg
E-Number (Finland):	3216140
E-Number (Sweden):	2102125
Replacement Product ID (NEW):	2CDS382001R0104
Certification Agency:	CSAIECENUL
ETIM 8:	EC000042 - Miniature circuit breaker (MCB)
ETIM 9:	EC000042 - Miniature circuit breaker (MCB)
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Business
CN8:	8536 20 10
UNSPSC:	39121603

eClass:	V11.0:27141901
IDEA Granular Category Code (IGCC):	4897 >> Miniature circuit breakers
Object Classification Code:	F