PRODUCT-DETAILS

S204-B80

S204-B80 Miniature Circuit Breaker - 4P - B - 80 A



General Information

Extended Product Type	S204-B80
Product ID	2CDS254001R0805
EAN	4016779916431
Catalog Description	S204-B80 Miniature Circuit Breaker - 4P - B - 80 A
Long Description	S204-B80 Miniature Circuit Breake B-Char., 6kA, 80A, 4P

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2
Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 400 V AC
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse	4 kV

© 2024 ABB. All rights reserved.

Withstand Voltage (U_{imp})	at 2000 m 5 kV at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC
Rated Current (I_n)	80 A
Rated Short-Circuit Capacity	(AC) 6 kA (DC) 6 kA (230 V AC) 6 kA (400 V AC) 6 kA (400 V) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 20 kA (400 V AC) 6 kA (400 V) 6 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 20 kA (400 V) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(400 V AC) 6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	32.4 W at Rated Operating Conditions per Pole 8.1 W
Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	10000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	4
Number of Poles	4
Overvoltage Category	III
Tightening Torque	3 N·m
Actuator Type	Toggle
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (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 16 / 16 mm² Conductor 2.5 ... 50 mm² Flexible 4 ... 35 mm² Rigid 2.5 ... 50 mm² Stranded 2.5 ... 50 mm²
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	2CDK400601D2703
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20200320
REACH Declaration	9AKK108468A9644

© 2024 ABB. All rights reserved.

REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20231212
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 IP40 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	4.0
Product Net Width	70 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.56 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	16 kg
E-Number (Finland)	3210617

Certificates and Declarations

Declaration of Conformity - CE	2CDK400601D2703
Declaration of Conformity - UKCA	9AKK108467A5198
Certification Agency	EN IEC

Installation

Instructions and Manuals	2CDS207104P0002

© 2024 ABB. All rights reserved.

Popular Downloads

Data Sheet, Technical Information	9AKK107680A3031

Classifications

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 90
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0001	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage Release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage Release	S2C-UA 230 DC	1	piece
GHS2001901R0003	S2C-DH Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

© 2024 ABB. All rights reserved.

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs






© 2024 ABB. All rights reserved.