PRODUCT-DETAILS

S401M-D16NP

Miniature Circuit Breaker - S400NP - 2P - 16 A - D - (230 V) 10 kA



General Information

Extended Product Type	S401M-D16NP
Product ID	2CCS571103R8161
EAN	7612270103546
Catalog Description	Miniature Circuit Breaker - S400NP - 2P - 16 A - D - (230 V) 10 kA
Long Description	SMISSLINE TP S400M are a current limiting miniature circuit breakers. 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), configurations (1P,1P+N,2P,3P,3P+N), breaking capacities (up to 10 kA at 240/415 V AC) and rated currents (up to 63A). MCBs of the product range S400M are comply with IEC/EN 60898 -1 for B,C and D characteristic and IEC/EN 60947-2 for C and K characteristic. The pluggable solution is only for the SMISSLINE TP System, allowing the use for commercial, industrial, and critical power applications.

ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 92.73 %
ABB Site Meeting Group	No non-hazardous waste is sent to a landfill

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Waste To Landfill Target	
Sustainable Material Content in Packaging (wt. %)	Recycled Cardboard - 18.12 % Recycled Cardboard - 67.66 % Chemically Recycled Polymer - 0 %
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108469A6908
Environmental Product Declaration - EPD	9AKK108469A5735

Technical

Rated Operational Current (I_e)	16 A
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 cycle
Number of Protected Poles	2
Number of Poles	2P
Tightening Torque	2.8 N·m
Release Type	D
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible 0.75 … 25 mm² Rigid 0.75 … 35 mm²
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	D
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Operational Voltage	Minimum 12 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Input Voltage Type	AC
Rated Current (I_n)	16 A
Rated Short-Circuit Capacity	(230 V) 10 kA (400 V) 10 kA
Frequency (f)	50 ... 60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	4 W
Overvoltage Category	III

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Material Compliance

RoHS Declaration	9AKK107991A9803
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20210407
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -25 … 60 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	3
Resistance to Vibrations	1 mm 2 … 13.2 Hz
Environmental Information	9AKK108467A9561

Dimensions

Width in Number of Modular Spacings	2
Product Net Width	36 mm
Product Net Height	91 mm
Product Net Depth / Length	82 mm
Product Net Weight	221 g
Built-In Depth (t_2)	82 mm
Dimension Diagram	9AKK107492A6192

Engineering

EPLAN Data	9AAC128473_EPLAN

Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1169 g
E-Number (Norway)	1623470
E-Number (Switzerland)	809819817

Certificates and Declarations

Declaration of	9AKK107991A9634

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Conformity - CE

Installation

Instructions and Manuals	2CCC451019M0109
Mounting Position	Any

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192

External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
Object Classification Code	FC
Standards	IEC/EN 60898-1

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS500900R0081	HK40011-L	HK40011-L Auxiliary swtich	1	piece
2CCF201112R0001	HK40020-L	HK40020-L Auxiliary swtich	1	piece
2CCF201114R0001	HK40002-L	HK40002-L Auxiliary swtich	1	piece
2CCS500900R0101	SK40011-L	SK40011-L Signal contact	1	piece
2CCF201162R0001	SK40020-L	SK40020-L Signal contact	1	piece
2CCF201164R0001	SK40002-L	SK40002-L Signal contact	1	piece
2CCS500900R0141	SK40010-LSA	SK40010-LSA Signal contact	1	piece
2CCF201212R0001	HK40010-LSA	HK400 10-L SA Auxiliary swtich	1	piece
2CCS500900R0161	ZLS931	ZLS931 Dummy housing	1	piece
2CCA880212R0001	CMS-122PS	CMS-122PS Sensor	1	piece
2CCA880102R0001	CMS-102PS	CMS-102PS Sensor	1	piece

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Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Plug-in Distribution Systems → Plug-in Distribution Systems → Miniature Circuit Breakers MCBs







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