



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

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 mm ² Rigid 0.75 ... 35 mm ²
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

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

Conformity - CE

Installation

Instructions and Manuals	2CCC451019M0109
Mounting Position	Any

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192
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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

Categories

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

