PRODUCT-DETAILS

S401E-B16

S401E-B16 Miniature Circuit Breaker



General Information

Extended Product Type	S401E-B16
Product ID	2CCS551001R0165
EAN	7612270101030
Catalog Description	S401E-B16 Miniature Circuit Breaker
Long Description	SMISSLINE TP S400E 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 and C), configurations (1P,1P+N,2P,3P,3P+N), breaking capacities (6 kA at 230/400 V AC) and rated currents (up to 63A). MCBs of the product range S400E are comply with IEC/EN 60898-1. The pluggable solution is only for the SMISSLINE TP System, allowing the use for commercial, industrial, and critical power applications.

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	B
Rated Voltage (U_r)	230 V
Rated Operational Voltage	acc. to IEC 60898-1 240 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 Operational Current (I_e)	16 A
Rated Short-Circuit Capacity (I_{cn})	(230 V) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V) 6 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 6 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 6 kA
Rated Service Short-Circuit Breaking Capacity, in % of Icu (I_{cs})	50 %
Frequency (f)	50 ... 60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	1.9 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
	10000 cycle
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	III
Tightening Torque	2.8 N·m
Release Type	B
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Terminal Type	Screw Terminals

Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	4
Resistance to Vibrations acc. to IEC 60068-2-6	2…13.2 Hz/1 mm 13.2…100Hz/0.7 g, 5 cycles 5…150 … 5 Hz/1 g, 4 waves
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Environmental Information	2CCY451206D0201

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	91 mm
Product Net Depth / Length	75 mm
Product Net Weight	140 g
Product Net Length	82 mm
Size	1 module
Built-In Depth (t_2)	82 mm

Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	100 mm
Package Level 1 Height	125 mm
Package Level 1 Depth / Length	185 mm
Package Level 1 Gross Weight	170 g
Package Level 1 EAN	7612270101030

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	809019809
Country of Origin	Switzerland (CH)

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107991A9633
Environmental Information	2CCY451206D0201
Instructions and Manuals	2CCC451019M0109
RoHS Information	2CCC413008D0206_RoHS

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192
Instructions and Manuals	2CCC451019M0109
Dimension Diagram	9AKK107492A6192

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27141901

Object Classification Code	FC

Categories

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

