PRODUCT-DETAILS

S401E-C20NP

S401E-C20NP Miniature Circuit Breaker



General Information

Extended Product Type	S401E-C20NP
Product ID	2CCS551103R8204
EAN	7612271442781
Catalog Description	S401E-C20NP 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.

Eco Transparency

Environmental Product Declaration - EPD	9AKK108469A5735

© 2024 ABB. All rights reserved.

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	C
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)	20 A
Rated Operational Current (I_e)	20 A
Rated Short-Circuit Capacity	(230 V) 6 kA (400 V) 6 kA
Frequency (f)	50...60 Hz
Rated Frequency (f)	50 ... 60 Hz
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	2
Overvoltage Category	III
Tightening Torque	2.8 N·m
Release Type	C
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 0.75 … 25 mm^2 Rigid 0.75 … 35 mm^2
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK107991A9633
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20170426
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

© 2024 ABB. All rights reserved.

Environmental

Ambient Air Temperature	Operation -25 … 60 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	4
Resistance to Vibrations	1 mm 2 … 13.2 Hz
Environmental Information	9AKK108467A9561

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	36 mm
Product Net Height	91 mm
Product Net Depth / Length	36 mm
Product Net Weight	221 g
Built-In Depth (t_2)	36 mm
Dimension Diagram	9AKK107492A6192

Ordering

Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1169 g

Certificates and Declarations

Declaration of Conformity - CE	9AKK107991A9633

Installation

Instructions and Manuals	2CCC451019M0109

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192

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	85362020
eClass	V11.0 : 27141901

© 2024 ABB. All rights reserved.

Object Classification Code	FC

Categories

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



© 2024 ABB. All rights reserved.