



 PRODUCT-DETAILS

S403E-B32

Miniature Circuit Breaker



General Information

Extended Product Type	S403E-B32
Product ID	2CCS553001R0325
EAN	7612270102600
Catalog Description	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.
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ABB EcoSolutions

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 58.6323356825684 %
Circular Design Principles Ecodesign	9AKK108469A6507
Group Waste to Landfill Target	No non-hazardous waste is sent to a landfill

Sustainable Material Content in Packaging	Recycled Cardboard - 18.1 % Recycled Cardboard - 67.7 % Chemically Recycled Polymer - 0.0 %
Offered with Extended Lifetime	Product Durability
End of Life Instructions	9AKK108469A6908
Environmental Product Declaration - EPD	9AKK108469A5735

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 400 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)	32 A
Rated Operational Current (I _e)	32 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 Loss	8.1 W
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	3
Number of Poles	3
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 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 2002/95/EC August 18, 2005 and amendment
RoHS Date	20170426
REACH Declaration	9AKK108467A9561
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20230417
Conflict Minerals Reporting Template	9AKK108468A3363

(CMRT)

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	3
Product Net Width	54 mm
Product Net Height	91 mm
Product Net Depth / Length	75 mm
Product Net Weight	322 g
Built-In Depth (t ₂)	82 mm
Dimension Diagram	9AKK107492A6192

Ordering

Package Level 1 Units	carton 4 piece
Package Level 1 Gross Weight	1360 g
E-Number (Switzerland)	809082809

Certificates and Declarations

Declaration of Conformity - CE	9AKK107991A9633
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Installation

Instructions and Manuals	2CCC451019M0109
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Popular Downloads

Data Sheet, Technical Information	9AKK107492A6192
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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
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

