

PRODUCT-DETAILS

S403E-C25NP Miniature Circuit Breaker



General I	nformation
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Extended Product Type	S403E-C25NP
Product ID	2CCS553103R8254
EAN	7612271442880
Catalog Description	S403E-C25NP 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	C
Rated Operational Voltage	acc. to IEC 60898-1 230 400 V AC
Operational Voltage	Minimum 12 V AC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 440 V

Rated Current (1,1) 25 A Rated Operational Current (1,1) 25 A Rated Short-Circuit (AC) 6 M Capacity (240 V AC) 6 M Frequency (f) 5060 M Rated Frequency (f) 5060 M Rated Frequency (f) 5060 M Power Supply Connection Arbitrary Contact Position Red ON / Green OFf Indication Red ON / Green OFf Indication 10000 cycle Machanical Endurance 10000 cycle Number of Protected 2 A Poles 2 A Number of Protected 2 A Poles 3 A Actual of Marking 3 A Release Type 5 Fallsafe B-directional Cylinder-lift Terminal Actual of Marking 4 A Mounting Position An Recommended Screw	Rated Impulse Withstand Voltage (U _{imp})	4 kV
Rated Operational Current (I _g) Rated Short-Circuit Capacity (240 V AC) 6 M (240	Input Voltage Type	AC
Rated Short-Circuit	Rated Current (I _n)	25 A
Capacity (240 / 415 k AC) 6 kf (240 / 415 k AC)		25 A
Rated Frequency (f) 50 60 Hz Power Supply Connection Arbitran Contact Position indication Red ON / Green OFF indication Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 10000 cycle Number of Poles 2 Number of Protected Poles 2 Overvoltage Category III Tightening Torque 2.8 Nm Release Type Fallsafe Bi-directional Cylinder-lift Termina Actuator Marking 1 / C Mounting Position Amounting Position Accessories Available Yes Connecting Capacity Flexible with Ferrule 0.75 25 mm Recommended Screw Driver Flexible o.75 25 mm Accessories Available Yes Environmental Screw Terminal Environmental Screw Terminal Environmental Polition Degree Reference Ambient Air Storage -40 +70 °C Temperature Operation -25 +60 °C Degree of Protection IP24 Pollution Degree		(AC) 6 kA (240 V AC) 6 kA (240 / 415 V AC) 6 kA
Power Supply Connection Arbitrant Contact Position Indication Red ON / Green OFF Energy Limiting Class Electrical Endurance 10000 cycle Mechanical Endurance 10000 cycle Number of Poles 2 Number of Poles 2 Number of Poles 2 Overvotage Category III Tightening Torque 2.8 III Release Type C Screw Terminal Type Fallsafe Bi-directional Cylinder-lift Terminal Actuator Marking 1/C Mounting Position Am Accessories Available Year Connecting Capacity Flexible with Ferrula 0.75 25 mm Recommended Screw Position Year Driver Accessories Available Year Connecting Capacity Flexible with Ferrula 0.75 25 mm Rigid 0.75 35 mm Terminal Type Screw Terminal Screw Terminal Environmental Polytical Control on Terminal Screw Terminal Environmental in Terminal on Terminal Control on Terminal Contr	Frequency (f)	5060 Hz
Contact Position Indication Red ON / Green OFF Indication Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 10000 cycle Number of Poles 4 Number of Poles 4 Overvoltage Category III Tightening Torque 2.8 Nm Release Type C Screw Terminal Type Failsafe Bi-directional Cylinder-lift Terminal Actuator Marking 1 / C Mounting Position Am Recommended Screw Pozidiriv 2 Driver Filexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Flexible 0.75 35 mm Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 35 mm Terminal Type Screw Terminals Environmental Ambient Air Temperature Operation -25 +60 ° C Reference Ambient Air Temperature Operation -25 +60 ° C Degree of Protection IP21 Degree of Protection IP21 Pollution Degree 13.2 1004/120 7.g 5 cycles 550 51 15 51 15 51 15 51 15 51 15 51 15 51 15 51 15 51 15 51 15 51 15 51 15	Rated Frequency (f)	50 60 Hz
Indication	Power Supply Connection	Arbitrary
Electrical Endurance		Red ON / Green OFF
Mechanical Endurance 10000 cycle Number of Poles 4 Number of Poles 4 Overvoltage Category III Tightening Torque 2.8 Nm Release Type C Screw Terminal Type Failsafe Bi-directional Cylinder-lift Termina Actuator Marking I C Mounting Position Amounting Position Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 25 mm Rigid 0.75 35 mm Reference Ambient Air Screw Terminals Temperature Operation -25 +60 °C Degree of Protection IP2c Pegree of Protection IP2c Resistance to Vibrations ac. to IEC 60068-2-6 1.3.2 100Hz/0.7 g, 5 cycle RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2018 Environmental Information 9AKK107991A983 Environmental Information 9AKK107991A983 Environmental Information 9AKK108467A986*	Energy Limiting Class	3
Number of Poles 4 Number of Protected Poles 4 Overvoltage Category III Tightening Torque 2.8 Nm Release Type C Screw Terminal Type Fallsafe Bi-directional Cylinder-lift Terminal Actuator Marking I / C Mounting Position Am Recommended Screw Driver Pozidriv 2 Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Flexible 0.75 25 mm Stranded 0.75 35 mm St	Electrical Endurance	10000 cycle
Number of Protected Poles 4 Overvoltage Category II Tightening Torque 2.8 N·m Release Type Fallsafe Bi-directional Cylinder-lift Termina Cylinder-lift Termina Cylinder Marking 1 / C Mounting Position Any Recommended Screw Driver Pozidir. Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 25 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Terminal Type Screw Terminal Environmental Screw Terminal Environmental Operation -25 +60° °C Reference Ambient Air Temperature Operation -25 +60° °C Degree of Protection IP20 Pollution Degree 2 Resistance to Vibrations acc. to IEC 60068-2-6 13.2100Hz/10.7 g, 5 cycles 5150 5 Hz/1 g, 4 waves 5150 5 Hz	Mechanical Endurance	10000 cycle
Poles	Number of Poles	4
Tightening Torque 2.8 Nm Release Type C Screw Terminal Type Failsafe Bi-directional Cylinder-lift Terminal Actuator Marking I / C Mounting Position Am Recommended Screw Pozidriv 2 Driver Pozidriv 2 Accessories Available Yes Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Regid 0.75 35 mm Stranded 0.75 35 mm Terminal Type Screw Terminals Environmental Screw Terminals Ambient Air Temperature Operation -25 +60 °C Reference Ambient Air 30 °C Temperature Pozidriv -27 5 cycles Degree of Protection IP20 Pollution Degree 4 Resistance to Vibrations 2 13.2 Hz/1 mm acc. to IEC 60068-2-6 13.2 100Hz/0.7 g, 5 cycles 5 150 5 Hz/1 g, 4 wave RoHS Information 9AKK107991A9633 Environmental Information 9AKK108467A956*		4
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Screw Terminal Type Actuator Marking Accommended Screw Pozidriv 2 Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible vith Ferrule 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Activator Marking Actuator Marking Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Actuator Marking Accessories Available Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Accessories Available Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Accessories Available Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 35 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 35 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Accessories Available Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 35 mm Rigid	Tightening Torque	2.8 N·m
Actuator Marking 17.0 Mounting Position Any Recommended Screw Pozidriv 2 Driver Accessories Available Yes Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Flexible 0.75 25 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Terminal Type Screw Terminals Environmental Ambient Air Temperature Operation -25 +60 °C Storage -40 +70 °C Reference Ambient Air 30 °C Temperature Degree of Protection IP20 Pollution Degree 4 Resistance to Vibrations 2 13.2 Hz/1 mm acc. to IEC 60068-2-6 13 .2 100Hz/0.7 g, 5 cycles 5 150 5 Hz/1 g, 4 waves ROHS Information 9AKK107991A9633 Environmental Information 9AKK10789635 Environmental Information 9AKK108467A9565	Release Type	С
Mounting Position Any Recommended Screw Driver Pozidriv 2 Accessories Available Yet Connecting Capacity Flexible with Ferrule 0.75 25 mm Rigid 0.75 25 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Terminal Type Screw Terminals Environmental Operation -25 +60 °C Storage -40 +70 °C Storage -40	Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Recommended Screw Driver Accessories Available Yes Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 36 mm Terminal Type Screw Terminals Environmental Ambient Air Temperature Operation -25 +60 °C Storage -40 +70 °C Reference Ambient Air Temperature Degree of Protection IP20 Pollution Degree Accessories Available Yes Resistance to Vibrations acc. to IEC 60068-2-6 13.2 100Hz/l0.7 g, 5 cycles 5 150 5 Hz/1 g, 4 waves ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/663 July 22, 2015 ROHS Information 9AKK107991A9633 Environmental Information 9AKK107991A9633	Actuator Marking	1/0
Driver Accessories Available Yes Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Rigid 0.75 35 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Terminal Type Screw Terminals Environmental Ambient Air Temperature Operation -25 +60 °C Storage -40 +70 °C Storage -40 °C Storage -4	Mounting Position	Any
Connecting Capacity Flexible with Ferrule 0.75 25 mm Flexible 0.75 25 mm Rigid 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 35 mm Stranded 0.75 46 mg Screw Terminals Environmental Ambient Air Temperature Operation -25 +60 mg Storage -40 +70 mg Storage -40 +70 mg Reference Ambient Air Temperature Degree of Protection IP20 Pollution Degree Aesistance to Vibrations acc. to IEC 60068-2-6 13.2 100Hz/0.7 g, 5 cycles 5 150 5 Hz/1 g, 4 waves RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2018 RoHS Information 9AKK107991A9633 Environmental Information		Pozidriv 2
Flexible 0.75 25 mm Rigid 0.75 35 mm Stranded 0.75 36 mm Stranded 0.75 460 °C Storage -40 +70 °C Storage -40 °C S	Accessories Available	Yes
Environmental Ambient Air Temperature Operation -25 +60 °C Storage -40 +70 °C Reference Ambient Air Temperature Degree of Protection IP20 Pollution Degree Resistance to Vibrations acc. to IEC 60068-2-6 Resistance to Vibrations acc. to IEC 60068-2-6 Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2018 RoHS Information 9AKK107991A9633 Environmental Information	Connecting Capacity	Flexible with Ferrule 0.75 25 mm² Flexible 0.75 25 mm² Rigid 0.75 35 mm² Stranded 0.75 35 mm²
Ambient Air Temperature Operation -25 +60 °C Storage -40 +70 °C Reference Ambient Air Temperature Degree of Protection Pollution Degree Resistance to Vibrations acc. to IEC 60068-2-6 ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 ROHS Information 9AKK107991A9633 Environmental Information	Terminal Type	Screw Terminals
Storage -40 +70 °C Reference Ambient Air Temperature 30 °C Degree of Protection IP20 Pollution Degree 4 Resistance to Vibrations acc. to IEC 60068-2-6 213.2 Hz/1 mm acc. to IEC 60068-2-6 ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 ROHS Information 9AKK107991A9633 Environmental Information 9AKK108467A9567	Environmental	
Temperature Degree of Protection IP20 Pollution Degree 2 Resistance to Vibrations acc. to IEC 60068-2-6 213.2 Hz/1 mm acc. 15 Hz/1 g, 5 cycles 5150 5 Hz/1 g, 4 waves RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 RoHS Information 9AKK107991A9633 Environmental Information 9AKK108467A9563	Ambient Air Temperature	Operation -25 +60 °C Storage -40 +70 °C
Pollution Degree 2 Resistance to Vibrations acc. to IEC 60068-2-6 213.2 Hz/1 mm acc. to IEC 60068-2-6 ROHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015 ROHS Information 9AKK107991A9633 Environmental Information 9AKK108467A9563		30 °C
Resistance to Vibrations 213.2 Hz/1 mm acc. to IEC 60068-2-6 13.2100Hz/0.7 g, 5 cycles 5150 5 Hz/1 g, 4 waves RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 RoHS Information 9AKK107991A9633 Environmental Information 9AKK108467A9567	Degree of Protection	IP20
acc. to IEC 60068-2-6 13.2100Hz/0.7 g, 5 cycles 5150 5 Hz/1 g, 4 waves RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 RoHS Information 9AKK107991A9633 Environmental Information 9AKK108467A956	Pollution Degree	4
RoHS Information 9AKK107991A9633 Environmental Information 9AKK108467A9563		213.2 Hz/1 mm 13.2100Hz/0.7 g, 5 cycles 5150 5 Hz/1 g, 4 waves
Environmental Information 9AKK108467A956	RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
	RoHS Information	9AKK107991A9633
Conflict Minerals 9AKK108468A3363	Environmental Information	9AKK108467A9561
	Conflict Minerals	9AKK108468A3363

Reporting Template (CMRT)

Dimensions	
Width in Number of Modular Spacings	4
Product Net Width	72 mm
Product Net Height	91 mm
Product Net Depth / Length	72 mm
Product Net Weight	221 g
Built-In Depth (t ₂)	82 mm
Ordering	
Minimum Order Quantity	1 piece
Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1169 g
Contification and Deplement	
Certificates and Declarations	
Declaration of Conformity - CE	9AKK107991A9633
Installation	
Instructions and Manuals	No document needed
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
Object Classification Code	FC

S403E-C25NP 4

Categories

 $Low\ Voltage\ Products\ \to\ Plug-in\ Distribution\ Systems\ \to\ Plug-in\ Distribution\$

