

PRODUCT-DETAILS

CK1-20 CK1-20 Short Circuit Signaling Contact



General Information		
Extended Product Type	СК1-20	
Product ID	1SAM301901R1002	
EAN	4013614403934	
Catalog Description	CK1-20 Short Circuit Signaling Contact	
Long Description	Signaling contacts CK1 with screw terminals signal the tripping of the manual motor starter in case it was caused by a short-circuit. For CK1 the indication on the device itself is done with a protruding orange button. The contact positions of CK1 need to be manually reset after a tripping event by pushing the orange button. They are attached on the right side of the manual motor starter MS116, MS132 or MS165. Signaling contacts CK1 are available as normally open or normally closed contacts.	
Ordering Minimum Order Quantity	2 piece	
Minimum Order Quantity Customs Tariff Number	2 piece 85365080	
Minimum Order Quantity Customs Tariff Number Popular Downloads Data Sheet, Technical		
Minimum Order Quantity	85365080	

Instructions and Manuals (Part 3)	1SBC100214C0202
CAD Dimensional Drawing	2CDC001079B0201

Dimensions	
Product Net Width	9 mm
Product Net Height	90 mm
Product Net Depth / Length	78 mm
Product Net Weight	0.035 kg

Rated Operational Voltage 680 V AC 680 V DC 680 V DC Main Circuit 690 V Rated Operational Current (24 V) 6 A (220 V) 4 A (860 V) 1 A (125 V) 0.55 A (22 V) 0.55 A (20 V) 0.15 A Rated Impulse Withstand Accessory Circuit 0 KV Auxiliary Circuit 6 KV Rated Impulse Withstand (600 V) 0.15 A 690 V Pated Impulse Withstand Collage 690 V Villy 10000 cycle Electrical Durability 10000 cycle Degree of Protection 1P20 Electrical Durability 10000 cycle Connecting Capacity Auxiliary Circuit 0 S 15 mm ² Flexible with Forcule 1/2x 0.75 15 mm ² Flexible with Flexible with Forcule 1/2x 0.75 15 mm ² Flexible with Flexible with Forcule 1/2x 0.75 15 mm ² Flexible with Flexible with Fle	Technical		
AC-15 (L2) (24 V) 6 A AC-15 (L2) (24 V) 6 A AC-15 (L2) (24 V) 7 A (24 V) 2 A (24 V) 2 A (28 V) 2 A (28 V) 2 A (128 V) 105 A (128 V) 105 A C13 (L9) (128 V) 105 A Rated Operational Current (24 V) 2 A (128 V) 105 A (128 V) 105 A Rated Impulse Withstand Auxiliary Circuit 6 IV Ordinge (Lump) 690 V Rated Impulse Withstand Auxiliary Circuit 6 IV Ordinge (Lump) 690 V Rated Inpulse Withstand Auxiliary Circuit 6 IV Ordinge (Lump) 10000 cycle Consecting Capacity Flexible with Insulated Formel 12X 0 75 15 mm² Reging I Torque Auxiliary Circuit 8 m Reging I Capacity Flexible with Insulated PC 75 15 mm² Right I Cax 1 15 mm² Flexible with Cox 75 15 mm² Right I Cax 1 15 mm² Flexible with Insulated PC 75 15 mm² Right I Cax 1 15 mm² Flexible with Insulated PC 75 15 mm² Number of Auxiliary Circuit 8 m Auxiliary Circuit 8 m Recommended Screw M3 M3 <	Terminal Type		Screw Terminals
AC-15 (l_s) (240 V) 4 A (500 V) 1 A (500 V) 2 A (500 V) 2 A (250 V) 2 A (250 V) 2 A (250 V) 2 A (260 V	Rated Operational Voltage		600 V DC
CC-13 (I_e) (125 V) 0.55 A (260 V) 0.27 A (260 V) 0.15 A Rated Impulse Withstand Auxiliary Circuit 6 kV Voltage (Ump) 690 V Rated Impulse Withstand 10000 cycle Degree of Protection 1920 Electrical Durability 10000 cycle Connecting Capacity Flexible with Perule 1/2x.07515 mm² Suitary Circuit Flexible with Perule 1/2x.07515 mm² Tigeting Torque Auxiliary Circuit 8 mm Number of Auxiliary Circuit 8 mm Maxiliary Circuit 8 mm Protection 1200 Wire Stripping Length Auxiliary Circuit 8 mm Recommended Screw M3 Oritacts NO 0 Stendards Circuit Signaling Contact Contacts NO 0 Stendards Circuit Signaling Contact Stendards Circuit Signaling Contact Stendards Maxiliary Circuit Signaling Contact Stable For MS125 Suitable For Poduct Class Manual Motor Statter Accessory Type Short Circuit Signaling Contact			(240 V) 4 A (690 V) 1 A
Voltage (U _{imp}) Sated Insulation Voltage (U ₁) Degree of Protection Electical Durability Connecting Capacity Auxiliary Circuit Flexible with Insulated Ferrule 1/2x 0.75 15 mm² Flexible with Insulated Ferrule 1/2x 0.75 15 mm² Flexible with Insulated Ferrule 1/2x 0.75 15 mm² Rigid 1/2x 1 15 mm²			(125 V) 0.55 A (250 V) 0.27 A (440 V) 0.15 A
U)IP20Degree of ProtectionIP20Electrical Durability10000 cycleMechanical Durability10000 cycleConnecting CapacityFlexible with Ferrule 1/2x 0.75 15 mm²Auxiliary CircuitFlexible with Insulated Ferrule 1/2x 0.75 15 mm²Tightening TorqueAuxiliary Circuit 0.8 12.N·mWire Stripping LengthAuxiliary Circuit 0.8 12.N·mRecommended ScrewM3DriverPozidriv 2Number of Auxiliary0Contactis NO0StandardsCSA 22.2 No. 14IEC/EN 60947-51U.L 60947-51UL 609475-51U.L 60947-51	Rated Impulse Withstand Voltage (U _{imp})		Auxiliary Circuit 6 kV
Edectical Durability10000 cycleMechanical Durability10000 cycleConnecting CapacityFlexible with Ferule 1/2x 0.75 1.5 mm²Auxiliary CircuitFlexible with Insulated Ferrule 1/2x 0.75 1.5 mm²Flexible with Insulated Ferrule 1/2x 0.75 1.5 mm²Fightening TorqueAuxiliary Circuit 0.8 1.2 N·mWire Stripping LengthAuxiliary Circuit 8 mRecommended ScrewM3OriverPozidriv 2Number of Auxiliary0Contacts NO0StandardsCSA 22.2 No. 14EleCircle No947-51UL 60947-51Un Loget 7-51UL 60947-51UL 60947-51Suitable ForManual Motor StarterAccessory GroupElectricalAcce			690 V
Mechanical Durability10000 cycleConnecting Capacity Auxiliary CircuitFlexible with Ferrule 1/2x 0.75 1.5 mm² Flexible with Insulated Ferrule 1/2x 0.75 1.5 mm² Flexible with Insulated Ferrule 1/2x 0.75 1.5 mm² Flexible 1/2x 0.75 1.5 mm² Rigid 1/2x 1 1.5 mm² Flightening TorqueAuxiliary CircuitAuxiliary Circuit 0.8 1.2 N·m Mire Stripping LengthRecommended Screw OriverM3 Pozidriv 2Vumber of Auxiliary Contacts NO2Contacts NO0StandardsCSA 22.2 No. 14 IEC/EN 60947-1 UL 60947-51 UL 60947-51Product NameShort Circuit Signaling ContactSuitable ForM5132 M5165Suitable ForM5132 M5165Suitable For Product ClassManual Motor Starter Kacessory GroupAccessory TypeShort Circuit Signaling Contact	Degree of Protection		IP20
Connecting CapacityFlexible with Ferrule 1/2x 0.75 15 mm² Flexible with Insulated Ferrule 1/2x 0.75 15 mm² Flexible with Insulated Ferrule 1/2x 0.75 15 mm² Flexible vito 10.8 12 Nmrightening TorqueAuxiliary Circuit 0.8 12 NmWire Stripping LengthAuxiliary Circuit 8 mmRecommended ScrewM3 Pozidriv 2Vumber of Auxiliary2Contacts NO2StandardsCSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-51StandardsCSA 22.2 No. 14 IEC/EN 60947-51Vunber of Auxiliary0Contacts NO0StandardsShort Circuit Signaling Contact MS165Suitable ForManual Motor Starter Manual Motor Starter Kocessory GroupKocessory TypeShort Circuit Signaling Contact	Electrical Durability		10000 cycle
Juxiliary CircuitFlexible with Insulated Ferrule 1/2x 0.75 1.5 mm² Flexible 1/2 0/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1	lechanical Durability		10000 cycle
Wire Stripping LengthAuxiliary Circuit 8 mmRecommended ScrewM3DriverPozidriv 2Number of Auxiliary2Contacts NO0StandardsCSA 22.2 No. 14IEC/EN 60947-1IEC/EN 60947-1UL 60947-1UL 60947-1UL 60947-1UL 60947-1UL 60947-5-1UL 60947-5StandardsShort Circuit Signaling ContactSuitable ForMS132Suitable for Product ClassManual Motor StarterAccessory GroupElectricalAccessory TypeShort Circuit Signaling Contact			Insulated Ferrule 1/2x 0.75 1.5 mm ² Flexible 1/2x 0.75 1.5 mm ²
Recommended Screw M3 Pozidriv 2 Pozidriv 2 Number of Auxiliary 2 Contacts NO 0 Number of Auxiliary 0 Contacts NO 0 Standards CSA 22.2 No. 14 IEC/EN 60947-51 IEC/EN 60947-51 UL 60947-1 UL 60947-51 UL 60947-1 UL 60947-51 Product Name Short Circuit Signaling Contact Suitable For MS132 Suitable for Product Class Manual Motor Starter Accessory Group Electrical Accessory Type Short Circuit Signaling Contact	Fightening Torque		Auxiliary Circuit 0.8 1.2 N·m
Priver Pozidriv 2 Jumber of Auxiliary Contacts NO 2 Jumber of Auxiliary Contacts NC 0 Standards CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-5-1 UL 60947-5-1 UL 60947-5-1 UL 60947-5-1 Troduct Name Short Circuit Signaling Contact Rutable For MS132 MS165 Suitable for Product Class Manual Motor Starter Cocessory Group Electrical Accessory Type Short Circuit Signaling Contact	Vire Stripping Length		Auxiliary Circuit 8 mm
Contacts NO 0 Number of Auxiliary 0 Contacts NC CSA 22.2 No. 14 Standards CSA 22.2 No. 14 IEC/EN 60947-5.1 UL 508 UL 60947-5.1 UL 60947-5.1 UL 60947-5.1 UL 60947-5.1 Orduct Name Short Circuit Signaling Contact Suitable For MS132 Suitable for Product Class Manual Motor Starter Accessory Group Electrical Accessory Type Short Circuit Signaling Contact			
Contacts NC CSA 22.2 No. 14 Standards IEC/EN 60947-1 IEC/EN 60947-5-1 UL 508 UL 60947-5-1 UL 60947-5-1 UL 60947-5-1 UL 60947-5-1 Vul 60947-5-1 UL 60947-5-1 Standards Short Circuit Signaling Contact Suitable For MS132 Suitable for Product Class Manual Motor Starter Accessory Group Electrical Accessory Type Short Circuit Signaling Contact			2
IEC/EN 60947-1 IEC/EN 60947-5-1 UL 503 UL 60947-1 UL 60947-5-1 UL 60947-5-1 UL 60947-5-1 UL 60947-5-1 Short Circuit Signaling Contact Suitable For Suitable for Product Class Manual Motor Starter Accessory Group Accessory Type Short Circuit Signaling Contact			0
Suitable For MS132 MS165 Suitable for Product Class Manual Motor Starter Accessory Group Electrical Accessory Type Short Circuit Signaling Contact	Standards		IEC/EN 60947-1 IEC/EN 60947-5-1 UL 508 UL 60947-1
MS165 Suitable for Product Class Manual Motor Starter Accessory Group Electrical Accessory Type Short Circuit Signaling Contact	Product Name		Short Circuit Signaling Contact
Accessory Group Electrical Accessory Type Short Circuit Signaling Contact	Suitable For		
Accessory Type Short Circuit Signaling Contact	Suitable for Product Class		Manual Motor Starter
	Accessory Group		Electrical
© 2024 ABB. All rights reserved. 2024/01/30 Subject to change without no	Accessory Type		Short Circuit Signaling Contact
	© 2024 ABB. All rights reserved.	2024/01/30	Subject to change without n

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC
Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 16-14 AWG Stranded 1/2x 16-14 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in Ib
Contact Rating UL/CSA	B600 Q600
Environmental	
Ambient Air Temperature	Operation -25 +60 °C Storage -50 +80 °C
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 25g
Resistance to Vibrations	5g 3 150 Hz
Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	No declaration needed
RoHS Information	1SAA963006-4502
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
Certificates and Declarations	
ABS Certificate	1SAA963001-0101
BV Certificate	1SAA963002-0201
CB Certificate	1SAA963004-2002
CQC Certificate	CQC2017010304032778
cUL Certificate	cUL_E137861
Declaration of Conformity - CCC	2020980304001252
Declaration of Conformity - CE	1SAD101100-3410
Declaration of Conformity - UKCA	1SAD201100-3410
DNV GL Certificate	1SAA963001-0304
LR Certificate	1SAA963001-0502 1SAA918001-0501
RINA Certificate	1SAA963002-0802
UL Certificate	UL_E137861

Container Information		
Package Level 1 Width		25 mm
© 2024 ABB. All rights reserved.	2024/01/30	Subject to change

to change without notice

Package Level 1 Depth / Length	80 mm
Package Level 1 Height	93 mm
Package Level 1 Gross Weight	0.08 kg
Package Level 1 EAN	4013614481536
Package Level 1 Units	2 piece
Package Level 2 Width	280 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 EAN	4013614526022
Package Level 2 Units	160 piece

Classifications	
Object Classification Code	Q
ETIM 4	EC002498 - Accessories for low-voltage switch technology
ETIM 5	EC000041 - Auxiliary contact block
ETIM 6	EC000041 - Auxiliary contact block
ETIM 7	EC000041 - Auxiliary contact block
ETIM 8	EC000041 - Auxiliary contact block
eClass	V11.0 : 27371302
UNSPSC	39121522
IDEA Granular Category Code (IGCC)	4743 >> Auxiliary contact block
E-Number (Finland)	3706161
E-Number (Sweden)	3110146

Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Manual Motor Starters \rightarrow Manual Motor Starters Accessories

