MS165-16



Products Low Voltage Products and Systems Circuit Breakers Manual Motor Starters

Products Low Voltage Products and Systems Control Products Manual Motor Starters Manual Motor Starters

General Information	
Extended Product Type:	MS165-16
Product ID:	1SAM451000R1011
EAN:	4013614486050
Catalog Description:	MS165-16 Manual Motor Starter
Long Description:	MS165 is a compact and powerful range for motor protection up to 30 kW (400 V) / 60 A in width of 55 mm. They offer a reliable protection for motors in the event of overload or phas e failure. The devices have trip class 10. This type has also a clear and reliable indication of fault in a separate window in the event of short-circuit tripping. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter is suitable for three - and single phase applications. The handle is lockable to protect against unauthorized cha nges. Auxiliary contacts, signaling contacts, undervoltage releases, shunt trips, power in-fe ed blocks are available as accessory. These are suitable throughout the MS116/MS132/M S165 range.

Additional Information

ABS Certificate:	1SAA963002-0101
ATEX Certificate:	1SAA918001-3901
Actuator Type:	Rotary Handle
Ambient Air Temperature:	Operation -25 +60 °C Operation Compensated -25 +60 °C Storage -50 +80 °C
Ambient Air Temperature Compensation:	Yes
Ampere Rating UL/CSA:	16 A
BV Certificate:	1SAA963002-0201
CB Certificate:	1SAA918002-2001
CCC Certificate:	1SAA918004-3801
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-0 AWG Stranded 1/2x 16-0 AWG
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 1 35 mm ² Flexible with Insulated Ferrule 1/2x 1 35 mm ² Flexible 1/2x 1 35 mm ² Rigid 1/2x 1 50 mm ² Solid 1/2x 1 50 mm ²
Contact Position Indication:	ON / OFF / TRIP
Conventional Free-air Thermal Current (I_{th}) :	Main Circuit 16 A
Country of Origin:	China (CN)
Customs Tariff Number:	85362010
Data Sheet, Technical Information:	2CDC131083D0201
Data Sheet, Technical Information (Part 2):	1SAM400506F0001 1SAM400507F0001
Data Sheet, Technical Information (Part 3):	1SAM400505F0001
Declaration of Conformity - CE:	1SAD938502-0190
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Dimension Diagram:	1SAM400401F0001
E-nummer:	3110051
F100-100-1	404400000 0704

EAC Certificate:	1SAA963002-2701
EAN:	4013614486050
EPLAN Catalog Tree:	Electrical engineering / Protection devices / Motor overload switch
EPLAN Function Definition:	Motor overload switch / Motor overload switch, 6 connection points / Motor overload switch thr ee-pole $1_23_4_5_6$
ETIM 5:	EC000074 - Motor protective circuit-breaker
ETIM 6:	EC000074 - Motor protection circuit-breaker
Electrical Durability:	25000 cycle
Frequency (f):	0 400 Hz
General Use Rating UL/CSA:	(600 V AC) 16 A
Horsepower Rating UL/CSA:	(200 V AC) Three Phase 3 Hp (208 V AC) Three Phase 3 Hp (220 240 V AC) Three Phase 5 Hp (440 480 V AC) Three Phase 10 Hp (550 600 V AC) Three Phase 10 Hp
Instructions and Manuals:	2CDC131081M6801
Instructions and Manuals (Part 2):	2CDC131087M6801
Invoice Description:	MS165-16 Manual motor starter Trip class 10; 10 - 16 A
LR Certificate:	1SAA918001-0501
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Mechanical Durability:	50000 cycle
Minimum Order Quantity:	1 piece
Mounting Position:	Position 1 to 6
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Number of Poles:	3
Number of Poles: Object Classification Code:	3 F
Object Classification Code:	F
Object Classification Code: Package Level 1 EAN:	F 4013614486050
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight:	F 4013614486050 1.1 kg
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height:	F 4013614486050 1.1 kg 155 mm
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Length:	F 4013614486050 1.1 kg 155 mm 155 mm
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 2 EAN: Package Level 2 Gross Weight:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 2 Width: Package Level 2 EAN: Package Level 2 Gross Weight: Package Level 2 Height:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 2 Units: Package Level 2 EAN: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Length:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 1 Width: Package Level 2 EAN: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Height: Package Level 2 Length: Package Level 2 Units:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 2 Units: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Height: Package Level 2 Length: Package Level 2 Units: Package Level 2 Width:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 1 Width: Package Level 2 EAN: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Height: Package Level 2 Height: Package Level 2 Units: Package Level 2 Width: Package Level 2 Width:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Length: Package Level 1 Units: Package Level 2 Units: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Height: Package Level 2 Units: Package Level 2 Units: Package Level 2 Width: Phase Loss Sensitive: Pollution Degree:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3
Object Classification Code: Package Level 1 EAN: Package Level 1 Gross Weight: Package Level 1 Height: Package Level 1 Height: Package Level 1 Length: Package Level 1 Units: Package Level 1 Width: Package Level 2 EAN: Package Level 2 Gross Weight: Package Level 2 Height: Package Level 2 Height: Package Level 2 Length: Package Level 2 Units: Package Level 2 Width: Phase Loss Sensitive: Pollution Degree: Power Loss:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 156 mm 10iece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Units:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Width:Package Level 2 Units:Package Level 2 Width:Package Level 2 Width:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Power Loss:Product Main Type:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Length:Package Level 2 Units:Package Level 2 Units:Package Level 2 Width:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Power Loss:Product Main Type:Product Name:	F 4013614486050 1.1 kg 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Width:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Height:Package Level 2 Width:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Product Main Type:Product Net Depth:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter 122.1 mm
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Width:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Length:Package Level 2 Units:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Power Loss:Product Main Type:Product Net Depth:Product Net Height:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter 122.1 mm 142.65 mm
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Width:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Units:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Product Main Type:Product Net Depth:Product Net Height:Product Net Weight:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 19iece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter 122.1 mm 142.65 mm 0.95 kg
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Width:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Length:Package Level 2 Units:Package Level 2 Units:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Power Loss:Product Main Type:Product Net Depth:Product Net Height:Product Net Weight:Product Net Weight:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 1 piece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter 122.1 mm 142.65 mm 0.95 kg 55 mm
Object Classification Code:Package Level 1 EAN:Package Level 1 Gross Weight:Package Level 1 Height:Package Level 1 Height:Package Level 1 Length:Package Level 1 Units:Package Level 1 Width:Package Level 2 EAN:Package Level 2 Gross Weight:Package Level 2 Height:Package Level 2 Height:Package Level 2 Units:Package Level 2 Width:Phase Loss Sensitive:Pollution Degree:Product Main Type:Product Net Depth:Product Net Height:Product Net Weight:	F 4013614486050 1.1 kg 155 mm 155 mm 155 mm 19iece 78 mm 4013614503917 13 kg 320 mm 400 mm 12 piece 330 mm Yes 3 1.49 3.81 W MS165 Manual Motor Starter 122.1 mm 142.65 mm 0.95 kg

Rated Pregamy (f): Main Circuit 80 Hz Main Circuit 80 Hz Rated impacts Witestant Voltage (LL): Main Circuit 84 V Rated instantaneous Stort-Circuit Current Setting (L): 1000 V Rated number of Circuit Current Setting (L): 16 A Rated Current CA: 16 A Rated Operational Current CA: 16 A Rated Operational Corrent CA: 16 A Carle Operational Voltage: Main Circuit 250 V VC Main Circuit 250 V AC: 16 A Carle Operational Voltage: (250 V VC) 10 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600 V AC) 20 IA (600	Kated Current (In):	16 A
Name Main Circuit 60 Hz Rated impaintence Withouted Voltage (Uum): Main Circuit 8 NV Stelling (I): 240 A Stelling (I): 1000 V Rated Operational Corrent (A): 16 A Rated Operational Corrent (A): 16 A Rated Operational Corrent ADS (U): 16 A Rated Operational Corrent ADS (U): 16 A Rated Operational Overnt ADS (U): 16 A (200 V AD) DI AA (200 V AD) DI AA (200 V AD) DI AA (200 V AD) DI AA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA (400 V AD) TO IAA		
Relationation Short-Orout Outpool 240 A Setting (1): 1000 V Relat Operational Current (A): 16 A Relat Operational Current (A): 16 A Relat Operational Current CA: (1): 16 A Relat Operational Current CA: (1): 16 A Relat Operational Power AC: (P): (Mon Crout 690 VAC Relat Operational Votage: Main Crout 690 VAC Relat Operational Votage: (200 VAC) 100 IA (G10 VAC) 20 Points in Series 100 IA (400 VAC) 100 IA (G10 VAC) 20 VAC) 100 IA (200 VAC) 100 IA (G10 VAC) 20 IA (600 VAC) 20 IA (G10 VAC) 20 IA (600 VAC) 10 IA (G10 VAC) 20 IA (600 VAC) 10 IA (G10 VAC) 10 IA (G10 VAC) 10 IA (G10 VAC) 10 IA (G10 VAC) 10 IA		
Setting (L): 1000 V Rated Instation Voltage (L): 16 A Rated Quartation Current (D-2): 16 A Rated Quartation Current (D-2): 16 A Rated Quartation Current (D-2): 16 A Rated Quartational Notage (L): 16 A Rated Quartational Notage: Main Circuit 280 V DC Rated Strict Stort Circuit Breaking (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 100 IA (200 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 8 IA Rated United Tort December 201 IA (400 V AC) 75 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 20 IA (500 V AC) 8 IA Resterment December December 201 IA (500 IA (400 V AC) 75 IA (500 V AC) 20 IA (500 V AC) 8 IA Restetarce to Vibratione a	Rated Impulse Withstand Voltage (U _{imp}):	Main Circuit 8 kV
Rated Operational Carrent (L): 16 A Rated Operational Carrent DC5 (L): 16 A Rated Operational Votage: Main Circuit 800 V AC Main Circuit 800 V DC 100 kA (200 V AC) 100 kA (200 V AC) 100 kA (400 V AC) 100 kA (400 V AC) 100 kA (400 V AC) 100 kA (200 V AC) 100 kA (600 V AC) 100 kA (400 V AC) 100 kA (600 V AC) 100 kA (300 V AC) 100 kA (600 V AC) 100 kA (400 V AC) 100 kA (600 V AC) 100 kA (400 V AC) 100 kA (600 V AC) 100 kA (400 V AC) 100 kA (600 V AC) 100 kA (500 V AC) 100 kA (600 V AC) 100 kA (500 V AC) 100 kA (600 V AC) 100 kA (500 V AC) 100 kA (600 V AC) 100 kA (500 V AC) 100 kA (600 V AC) 100 kA (500 V AC) 100 kA (410 V AC) 100 kA (500 V AC) 100 kA (410 V AC) 100 kA (500 V AC) 100 kA (410 V AC) 100 kA (5	Rated Instantaneous Short-Circuit Current Setting (I _i):	240 A
Rated Operational Current AC3 (L): 16 A Rated Operational Current COS (L): 16 A Rated Operational Votage: Main Circuit 890 VAC Main Circuit 250 V DC Main Circuit 250 V DC Rated Service Short-Circuit Beasing (230 V AC) 100 IAA Capacity (L_): (240 V AC) 100 IAA Capacity (L_): (250 V AC) 100 IAA Capacity (L_): (250 V AC) 100 IAA Capacity (L_): (260 V AC) 20 IAA Capacity (L_): (250 V AC) 100 IAA Capacity (L_): (260 V AC) 20 IA Capacity (L_): (260 V AC) 20 IA Capacity (L_): (27) Rel defaministics Following EU Rel defaministics Sin (J I): Rel defaministics Sin (J I): <td< th=""><th>Rated Insulation Voltage (Ui):</th><th>1000 V</th></td<>	Rated Insulation Voltage (Ui):	1000 V
Rated Operational Power AC3 (P_1): 16 A Rated Operational Power AC3 (P_1): Main Circuit 800 V AC Main Circuit 20 V DC Rated Operational Votage: Main Circuit 20 V DC Rated Operational Votage: 250 V/C 100 VA (250 V/C 2) 20 VA 	Rated Operational Current (I _e):	16 A
Rated Operational Power AC-3 (P.): (400 V) Three Phase 7.5 kW Rated Operational Voltage: Min Circuit 890 V AC Main Circuit 820 V DC Mina Circuit 820 V DC Rated Service Short-Circuit Breaking (230 V AC) 100 kA (400 V AC) 100 kA (400 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 100 kA (400 V AC) 100 kA (250 V DC) 100 kA (250 V DC) 100 kA (250 V DC) 100 kA (250 V DC) 100 kA (260 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 20 kA (600 V AC) 100 kA (600 V AC) 10 kA (600 V AC) 100 kA (600 V AC) 10 kA (600 V AC) 100 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA (600 V AC) 10 kA	Rated Operational Current AC-3 (I_e):	16 A
Rated Operational Volage: Main Circuit 860 V AC Mein Orionit 260 V DC Reted Service Short-Circuit Breaking Capacity (L_s): (230 V AC) 100 kA (250 V DC) 9 Polas in Series 100 kA (240 V AC) 75 kA (000 V AC) 20 kA (250 V DC) 20 kA (250 V DC) 20 kA (250 V DC) 20 kA (250 V DC) 100 kA (250 V DC) 20 kA (250 V DC) 100 kA (250 V DC) 20 kA (250 V DC) 100 kA (250 V DC) 20 kA (250 V D) 20 kA (250 V D) 20 kA (250 V D) 20 k	Rated Operational Current DC-5 (l _e):	16 A
Name Circuit 250 V DCRated Senvice Short-Grout Breaking Capacity (La):(200 V AC) 100 kA (200 V AC) 100 kA (400 V AC) 200 kA (200 V AC) 200 kA (200 V AC) 200 kA (200 V AC) 200 kA (200 V AC) 100 kA (200 V AC) 200	Rated Operational Power AC-3 (P _e):	(400 V) Three Phase 7.5 kW
Capacity (Ig.):(250 V DC) 3 Poles in Series 100 kA (440 V AC) 100 kA (440 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (500 V AC) 20 kA (500 V AC) 20 kA (400 V AC) 75 kA (500 V AC) 20 kA (400 V AC) 75 kA (500 V AC) 20 kA 	Rated Operational Voltage:	
Capacity (ku):(250 V DC) 100 kA (400 V AC) 100 kA (400 V AC) 75 kA (500 V AC) 20 kA (500 V AC) 20 kA (600 V AC) 20 kARated Uninterrupted Current (ku):16 ARecommended Screw Driver:Pozidriv 2Resistance to Shock acc. to IEC 60068-2 27.5g / 3 150 HzResistance to Vibrations acc. to IEC 60068-2-6:5g / 3 150 HzRotis Information:15AA918003-4401Rotis Status:Following EU Directive 2011/65/ECSelectivity Category:ASeling Unit of Measure:pieceSetting Range:10 16 AStandards:EC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 U.U. 60947-4-1 U.U. 60947-4-1 U.G CSA 22.2 No. 14Terminal Type:Screw TerminalsTerptening Torque:Join 10Control Circuit 4 N:m Main Circuit 35 in :hMain Circuit 35 in :hTip Class:0.U. LE137861 U.L. E137861 U.L. E	Rated Service Short-Circuit Breaking Capacity (I _{cs}):	(250 V DC) 3 Poles in Series 100 kA (400 V AC) 100 kA (440 V AC) 75 kA (500 V AC) 20 kA
Recommended Serew Driver: Poddriv 2 Resistance to Shock acc. to IEC 60068-2: 11 ms Pulse 25g Z7: 5g / 3 150 Hz Resistance to Vibrations acc. to IEC 5g / 3 150 Hz Robistance to Vibrations acc. to IEC 15AA918003-4401 RoHS Information: 1SAA918003-4401 RoHS Information: Polowing EU Directive 2011/65/EC Selectivity Category: A Selling Unit of Measure: piece Setting Range: 10 16 A Standards: EC/EN 60947-1 IEC/EN 60947-4.1 UL 60947-4-1 CCX 22 2 No. 14 Terminal Type: Screw Terminals Terdining Torque: Acrew Terminals Control Circuit 0.6 0.8 N ^{Im} Control Circuit 4 N ^{Im} Main Circuit 4 N ^{Im} Main Circuit 4 N ^{Im} Main Circuit 4 N ^{Im} Main Circuit 3 5 in·Ib Tiple Cass: 10 UL Certificate: 0 UL_E137861 AUL_E345003 UL_E345003 ULSPSC: 39121521 Utilization: Moin Circuit 16 mm	Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}):	(250 V DC) 100 kA (400 V AC) 100 kA (440 V AC) 75 kA (500 V AC) 20 kA
Resistance to Shock acc. to IEC 60068-2- 27: 11 ms Pulse 25g Resistance to Vibrations acc. to IEC 6006-2-6: 5g / 3 150 Hz RoHS Information: 1SAA918003-4401 RoHS Status: Following EU Directive 2011/65/EC Selectivity Category: A Seling Uhit of Measure: piece Setting Range: 10 16 A Standards: EC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-4-1 CSA 222 No. 14 Terminal Type: Screw Terminals Tightening Torque: Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 3 5 in·1b Main Circuit 3 5 in·1b Main Circuit 3 5 in·1b Tightening Torque: 0 UL_E137861 uL_E137861 uL_E137861 uL_E345003 uL_345003 ULSPSC: 39121521 Utilization: Motor Protection Wire Stripping Length: Main Circuit 16 mm	Rated Uninterrupted Current (Iu):	16 A
27: Resistance to Vibrations acc. to IEC 5g / 3 150 Hz RohS Information: 1SAA918003-4401 RohS Status: Following EU Directive 2011/65/EC Selectivity Category: A Seling Unt of Measure: piece Solting Range: 10 16 A Standards: IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4 CSA 22.2 No. 14 Terminal Type: Screw Terminals Tagtening Torque: Screw Terminals Tightening Torque: Sin :-b Main Circuit 4 N:m Scinicuit 4 N:m Concuit 4 N:m Scinicuit 4 N:m Scinicuit 4 N:m Scinicuit 4 N:m Scinicuit 4 N:m Scinicuit 4 N:m Concurrentions Scinicuit 4 N:m Scinicuit 4 Scininib Scinicuit 4 Scininib <th>Recommended Screw Driver:</th> <th>Pozidriv 2</th>	Recommended Screw Driver:	Pozidriv 2
coodes 2-6:Selection ControlRoHS Information:1SAA918003-4401RoHS Status:Following EU Directive 2011/65/ECSelectivity Category:ASelling Unit of Measure:pieceSetting Range:10 16 AStandards:IEC/EN 60947-1 IEC/EN 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxillary Circuit 0.6 0.8 N·m Main Circuit 4 N·m Main Circuit 4 N·mTightening Torque UL/CSA:35 in ·IbTightening Torque:0UL_E137861 UL_E37861 UL_S45003 UL_345003UNSPSC:39121521Utilization:Moin Circuit 16 mm	Resistance to Shock acc. to IEC 60068-2- 27:	11 ms Pulse 25g
RoHS Status:Following EU Directive 2011/65/ECSelectivity Category:ASelling Unit of Measure:pieceSetting Range:1016 AStandards:IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4.1 UC 60947-4.1 CSA 22.2 No. 14Terminal Type:Serew TerminalsTightening Torque:Auxiliary Circuit 0.60.8 N·m Control Circuit 4 N·m Main Circuit 35 in·lb Main Circuit 35 in·lbTightening Torque:0UL_E137861 uCL_E137861 uCL_E345003 UL_345003UNSPSC:39121521Utilization:Moin Circuit 16 mm	Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 150 Hz
Selectivity Category:ASelling Unit of Measure:pieceSetting Range:10 16 AStandards:IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lbTightening Torque:0UL Certificate:0UL SPSC:9321521Utilization:Moin Circuit 16 mm	RoHS Information:	1SAA918003-4401
Selling Unit of Measure:pieceSetting Range:10 16 AStandards:IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 4 N·m Main Circuit 35 in·lb Main Circuit 35 in·lbTightening Torque:0UL Certificate:0UL_E137861 UL_E345003 UL_345003UNSPSC:99121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	RoHS Status:	Following EU Directive 2011/65/EC
Setting Range:10 16 AStandards:IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 4 N·m 	Selectivity Category:	A
Standards:IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 4 N·m Main Circuit 35 in·Ib Main Circuit 16 mm	Selling Unit of Measure:	piece
IEC/EN 60947-2 IEC/EN 60947-4-1 CSA 22.2 No. 14Terminal Type:Screw TerminalsTightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 4 N·mTightening Torque UL/CSA:35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lb UL_E137861 cuL_E137861 cuL_E345003UNSPSC:99121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Setting Range:	10 16 A
Tightening Torque:Auxiliary Circuit 0.6 0.8 N·m Control Circuit 4 N·m Main Circuit 4 N·mTightening Torque UL/CSA:35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lbTrip Class:10UL Certificate:cUL_E137861 cUL_E345003 uL_345003UNSPSC:39121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Standards:	IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-4-1
Control Circuit 4 N·m Main Circuit 4 N·mTightening Torque UL/CSA:35 in·lb Main Circuit 35 in·lb Main Circuit 35 in·lbTrip Class:10UL Certificate:cUL_E137861 UL_E137861 cUL_E345003 UL_345003UNSPSC:39121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Terminal Type:	Screw Terminals
Main Circuit 35 in·lbTrip Class:10UL Certificate:cUL_E137861 cUL_E345003 UL_345003UNSPSC:39121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Tightening Torque:	Control Circuit 4 N·m
UL Certificate:cUL_E137861 UL_E137861 cUL_E345003 UL_345003UNSPSC:39121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Tightening Torque UL/CSA:	
UL_E137861 cUL_E345003 UL_345003UNSPSC:39121521Utilization:Motor ProtectionWire Stripping Length:Main Circuit 16 mm	Trip Class:	10
Utilization: Motor Protection Wire Stripping Length: Main Circuit 16 mm	UL Certificate:	UL_E137861 cUL_E345003
Wire Stripping Length: Main Circuit 16 mm	UNSPSC:	39121521
	Utilization:	Motor Protection
	Wire Stripping Length:	Main Circuit 16 mm