

PRODUCT-DETAILS

MS116-1.6

MS116-1.6 Manual Motor Starter



Informations générales

Extension du type de produit	MS116-1.6
Code de produit	1SAM25000R1006
EAN	4013614320293
Description courte	MS116-1.6 Manual Motor Starter

Description longue	<p>The MS116-1.6 manual motor starter (also known as motor protection circuit breaker or manual motor protector) is a compact 45 mm width device with a rated operational current of $I_e = 1.6$ A. This device is used to manually switch on and off motors and to protect them reliably and without the need for a fuse from short-circuits, overload and phase failures. The manual motor starter offers a rated service short-circuit breaking capacity $I_{cs} = 50$ kA at 400 VAC and trip class 10A. 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. Auxiliary contacts, signaling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks and locking devices for protection against unauthorized changes are available as accessory.</p>
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Commande

Quantité minimum	1 pièce
Code douanier	85362010

Popular Downloads

Fiche produit, informations techniques	2CDC131025D0201
Instructions et manuels	2CDC131011M6802

Instructions et manuels (Partie 2)	2CDC131060M0202
Time-Current Characteristic Curve	1SAM200505F0106
I ² t Characteristic	1SAM200507F0001 1SAM200507F0002 1SAM200507F0003
Cut-off Current Characteristic	1SAM200508F0001 1SAM200508F0002 1SAM200508F0003
Schéma dimensionnel	1SAM200422F0001

Dimensions

Produit Largeur Net	45 mm
Produit Hauteur Net	90 mm
Produit Longueur Net	85.6 mm
Poids net	0.265 kg

Technique

Pouvoir assigné de coupure de service en court-circuit (I _{cs})	(230 V AC) 50 kA (400 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 30 kA (690 V AC) 30 kA
Pouvoir assigné de coupure ultime en court- circuit (I _{cu})	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA
Courant assigné instantané de réglage de court-circuit (I _i)	20 A
Setting Range	1.0 ... 1.6 A
Puissance assignée d'emploi AC-3 (P _e)	(400 V) Three Phase 0.55 kW
Puissance assignée d'emploi AC-3e (P _e)	(400 V) Three Phase 0.55 kW
Tension	Circuit principal 690 V AC
Courant nominal de fonctionnement (I _e)	1.6 A
Courant assignée d'emploi AC-3 (I _e)	1.6 A
Courant assignée d'emploi AC-3e (I _e)	1.6 A
Fréquence assignée (f)	Circuit principal 50 Hz Circuit principal 60 Hz
Tension assignée de tenue aux chocs (U _{imp})	Circuit principal 6 kV
Tension assignée d'isolement (U _i)	690 V
Power Loss	at Rated Operating Conditions per Pole 0.6 ... 1.7 W
Nombre de pôles	3
Courant thermique conventionnel à l'air libre (I _{th})	Main Circuit 1.6 A
Indice de protection	Housing IP20 Main Circuit Terminals IP10
Degré de pollution	3
Electrical Durability	100000 cycle

Durabilite mecanique	100000 cycle
Type de borne	Screw Terminals
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Couple de serrage	Main Circuit 0.8 ... 1.2 N·m
Wire Stripping Length	Main Circuit 9 mm
Recommended Screw Driver	Pozidriv 2
Type d'encastrement	Any; 1 ... 6
Montage sur rail DIN	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
Minimum Mounting Distance	Electrical Conductive Board, Horizontal - Up to 400 V 0 mm Electrical Conductive Board, Horizontal - Up to 690 V 1.5 mm Electrical Conductive Board, Vertical 75 mm Other Device Same Type, Horizontal 0 mm Other Device Same Type, Vertical 150 mm
Actuator Type	Rotary Handle
Contact Position Indication	ON / OFF
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1

Technique UL/CSA

Short-Circuit Current Rating (SCCR)	Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 5 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 5 kA
Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
Puissance nominale UL/CSA	(440 ... 480 V AC) Three Phase 0.75 Hp (550 ... 600 V AC) Three Phase 0.75 Hp
Full Load Amps Motor Use	(200 V AC) Three Phase 1.6 A (208 V AC) Three Phase 1.6 A (220 ... 240 V AC) Three Phase 1.6 A (440 ... 480 V AC) Three Phase 1.6 A (550 ... 600 V AC) Three Phase 1.6 A
Locked Rotor Amps	(200 V AC) Three Phase 9.6 A (208 V AC) Three Phase 9.6 A (220 ... 240 V AC) Three Phase 9.6 A (440 ... 480 V AC) Three Phase 9.6 A (550 ... 600 V AC) Three Phase 9.6 A
General Use Rating UL/CSA	(600 V AC) 1.6 A
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 16-12 AWG Stranded 1/2x 16-12 AWG
Tightening Torque UL/CSA	Main Circuit 10 in·lb

Environnement

Température de l'air ambiant	Around the Enclosure 0 ... +40 °C Operation -25 ... +70 °C Operation Compensated -25 ... +55 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation	Oui
Altitude de fonctionnement maximale autorisée	2000 m
Résistance aux chocs	11 ms Pulse 25g

selon CEI 60068-2-27

Resistance to Vibrations
acc. to IEC 60068-2-6

5g / 3 ... 150 Hz

Statut RoHS

Following EU Directive 2011/65/EU

Certificats et Déclarations (Numéro de document)

Certificat ABS	1SAA963000-0104
Certificat BV	1SAA963000-0204
CB Certificate	1SAA963005-2003 1SAA963006-2001
CQC Certificate	CQC2011010307506570 CQC2014010307744794
Certificat cUL	cUL_E137861
Cut-off Current Characteristic	1SAM200508F0001 1SAM200508F0002 1SAM200508F0003
Declaration of Conformity - CCC	2020980307003705 2020980307003043
Déclaration de Conformité - CE	1SAD101100-3401
Declaration of Conformity - UKCA	1SAD201100-3401
Certificat DNV	1SAA963000-0304
DNV GL Certificate	1SAA963000-0304
EAC Certificate	1SAA963000-2701
Informations environnementales	1SAC200050H0009
Certificat GL	1SAA963000-0402
I _p t Characteristic	1SAM200507F0001 1SAM200507F0002 1SAM200507F0003
Instructions et manuels	2CDC131011M6802
Instructions et manuels (Partie 2)	2CDC131060M0202
KC Certificate	1SAA963000-1501
Certificat LR	1SAA963000-0505
Certificat RMRS	1SAA918000-0704
Informations RoHS	1SAD938517-0060
Time-Current Characteristic Curve	1SAM200505F0106
Certificat UL	UL_E137861

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	92 mm
Emballage Niveau 1 Longueur	95 mm
Emballage Niveau 1 Hauteur	50 mm
Emballage Niveau 1 Poids	0.28 kg
Emballage Niveau 1 EAN	4013614320293
Emballage Niveau 2 Unités	carton 40 pièce
Emballage Niveau 2 Largeur	280 mm

Emballage Niveau 2 Longueur	395 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Poids	11.586 kg
Emballage Niveau 2 EAN	4013614408663

Classifications

Code de classification d'objet	F
ETIM 4	EC000074 - Motor protective circuit-breaker
ETIM 5	EC000074 - Motor protective circuit-breaker
ETIM 6	EC000074 - disjoncteur/démarrreur de moteur
ETIM 7	EC000074 - Motor protection circuit-breaker
ETIM 8	EC000074 - Motor protection circuit-breaker
eClass	V11.0 : 27370401
UNSPSC	39121521
Code de catégorie granulaire IDEA (IGCC)	4845 >> 3 Pole Motor Circuit Protector Circuit Breakers
E-Number (Finland)	3706006
E-Number (Sweden)	3111940

Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
1SAM201901R1001	HKF1-11 Auxiliary Contact	HKF1-11	1	pièce
1SAM201901R1201	HKF1-11K Auxiliary Contact	HKF1-11K	1	pièce
1SAM201901R1002	HKF1-20 Auxiliary Contact	HKF1-20	1	pièce
1SAM201901R1202	HKF1-20K Auxiliary Contact	HKF1-20K	1	pièce
1SAM201901R1004	HKF1-01 Auxiliary Contact	HKF1-01	1	pièce
1SAM201901R1003	HKF1-10 Auxiliary Contact	HKF1-10	1	pièce
1SAM201902R1002	HK1-20 Auxiliary Contact	HK1-20	1	pièce
1SAM201902R1202	HK1-20K Auxiliary Contact	HK1-20K	1	pièce
1SAM201902R1001	HK1-11 Auxiliary Contact	HK1-11	1	pièce
1SAM201902R1201	HK1-11K Auxiliary Contact	HK1-11K	1	pièce
1SAM201902R1003	HK1-02 Auxiliary Contact	HK1-02	1	pièce
1SAM201902R1203	HK1-02K Auxiliary Contact	HK1-02K	1	pièce
1SAM201902R1004	HK1-20L Auxiliary Contact	HK1-20L	1	pièce
1SAM201902R1204	HK1-20LK Auxiliary Contact	HK1-20LK	1	pièce
1SAM201903R1002	SK1-20 Signaling Contact	SK1-20	1	pièce
1SAM201903R1202	SK1-20K Signaling Contact	SK1-20K	1	pièce
1SAM201903R1005	SK1-20AR Signaling Contact	SK1-20AR	1	pièce
1SAM201903R1205	SK1-20ARK Signaling Contact	SK1-20ARK	1	pièce
1SAM201903R1001	SK1-11 Signaling Contact	SK1-11	1	pièce
1SAM201903R1201	SK1-11K Signaling Contact	SK1-11K	1	pièce
1SAM201903R1004	SK1-11AR Signaling Contact	SK1-11AR	1	pièce
1SAM201903R1204	SK1-11ARK Signaling Contact	SK1-11ARK	1	pièce
1SAM201903R1003	SK1-02 Signaling Contact	SK1-02	1	pièce
1SAM201903R1203	SK1-02K Signaling Contact	SK1-02K	1	pièce
1SAM201903R1006	SK1-02AR Signaling Contact	SK1-02AR	1	pièce
1SAM201903R1206	SK1-02ARK Signaling Contact	SK1-02ARK	1	pièce
1SAM201910R1001	AA1-24 Shunt Trip	AA1-24	1	pièce

1SAM201910R1002	AA1-110 Shunt Trip	AA1-110	1	pièce
1SAM201910R1003	AA1-230 Shunt Trip	AA1-230	1	pièce
1SAM201910R1004	AA1-400 Shunt Trip	AA1-400	1	pièce
1SAM201904R1010	UA1-20 Undervoltage Release	UA1-20	1	pièce
1SAM201904R1001	UA1-24 Undervoltage Release	UA1-24	1	pièce
1SAM201904R1002	UA1-48 Undervoltage Release	UA1-48	1	pièce
1SAM201904R1003	UA1-60 Undervoltage Release	UA1-60	1	pièce
1SAM201904R1004	UA1-110 Undervoltage Release	UA1-110	1	pièce
1SAM201904R1008	UA1-208 Undervoltage Release	UA1-208	1	pièce
1SAM201904R1005	UA1-230 Undervoltage Release	UA1-230	1	pièce
1SAM201904R1006	UA1-400 Undervoltage Release	UA1-400	1	pièce
1SAM201904R1007	UA1-415 Undervoltage Release	UA1-415	1	pièce
1SAM201904R1009	UA1-575 Undervoltage Release	UA1-575	1	pièce
1SAM201906R1102	PS1-2-0-65 Busbar	PS1-2-0-65	1	pièce
1SAM201906R1112	PS1-2-1-65 Busbar	PS1-2-1-65	1	pièce
1SAM201906R1122	PS1-2-2-65 Busbar	PS1-2-2-65	1	pièce
1SAM201916R1103	PS1-3-0-100 Busbar	PS1-3-0-100	1	pièce
1SAM201906R1103	PS1-3-0-65 Busbar	PS1-3-0-65	1	pièce
1SAM201916R1113	PS1-3-1-100 Busbar	PS1-3-1-100	1	pièce
1SAM201906R1113	PS1-3-1-65 Busbar	PS1-3-1-65	1	pièce
1SAM201916R1123	PS1-3-2-100 Busbar	PS1-3-2-100	1	pièce
1SAM201906R1123	PS1-3-2-65 Busbar	PS1-3-2-65	1	pièce
1SAM201916R1104	PS1-4-0-100 Busbar	PS1-4-0-100	1	pièce
1SAM201906R1104	PS1-4-0-65 Busbar	PS1-4-0-65	1	pièce
1SAM201916R1114	PS1-4-1-100 Busbar	PS1-4-1-100	1	pièce
1SAM201906R1114	PS1-4-1-65 Busbar	PS1-4-1-65	1	pièce
1SAM201906R1124	PS1-4-2-65 Busbar	PS1-4-2-65	1	pièce
1SAM201916R1105	PS1-5-0-100 Busbar	PS1-5-0-100	1	pièce
1SAM201906R1105	PS1-5-0-65 Busbar	PS1-5-0-65	1	pièce
1SAM201916R1115	PS1-5-1-100 Busbar	PS1-5-1-100	1	pièce
1SAM201906R1115	PS1-5-1-65 Busbar	PS1-5-1-65	1	pièce
1SAM201906R1125	PS1-5-2-65 Busbar	PS1-5-2-65	1	pièce
1SAM201907R1101	S1-M1-25 Power Infeed Block	S1-M1-25	1	pièce
1SAM201907R1102	S1-M2-25 Power Infeed Block	S1-M2-25	1	pièce
1SAM201907R1103	S1-M3-25 Power Infeed Block	S1-M3-25	1	pièce
1SAM201913R1103	S1-M3-35 Power Infeed Block	S1-M3-35	1	pièce
1SAM201914R1002	S1-PB1-25 Power Infeed Block	S1-PB1-25	1	pièce
1SAM201914R1001	PB1-1-32 Connecting Link	PB1-1-32	1	pièce
1SAM201908R1001	BS1-3 Protection Cover	BS1-3	1	pièce
1SAM201909R1001	FS116 Screw Fixing Kit	FS116	1	pièce
GJF1101903R0001	SA1 Terminals and Installation Material	SA1	1	pièce
GJF1101903R0002	SA2 Terminals and Installation Material	SA2	1	pièce
GJF1101903R0003	SA3 Terminals and Installation Material	SA3	1	pièce
1SAM201911R1012	IB132-F Enclosure	IB132-F	1	pièce
1SAM201911R1010	IB132-G Enclosure	IB132-G	1	pièce
1SAM201911R1011	IB132-Y Enclosure	IB132-Y	1	pièce
1SAM201912R1010	DMS132-G Door Mounting Kit	DMS132-G	1	pièce
1SAM201912R1011	DMS132-Y Door Mounting Kit	DMS132-Y	1	pièce
1SAM201909R1021	MSAH1 Shaft Supporter	MSAH1	1	pièce
1SAM201920R1001	MSHD-LB Handles	MSHD-LB	1	pièce
1SAM201920R1002	MSHD-LY Handles	MSHD-LY	1	pièce
1SAM201920R1000	MSH-AR Shaft Alignment Ring	MSH-AR	1	pièce

1SAM101923R0002	MSMN Driver	MSMN	1	pièce
1SCA101655R1001	OXS6X130 SHAFT	OXS6X130	1	pièce
1SAM101923R0012	MSMNO Driver	MSMNO	1	pièce
1SCA101659R1001	OXS6X180 SHAFT	OXS6X180	1	pièce
1SCA101647R1001	OXS6X85 SHAFT	OXS6X85	1	pièce
1SCA108043R1001	OXS6X105 SHAFT	OXS6X105	1	pièce

Catégories

Produits basse tension → Disjoncteurs de puissance → Disjoncteurs-moteurs

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Disjoncteurs-moteurs → Disjoncteurs-moteurs

