

# Manual Motor Starter MS116

## Accessories

### Ordering details



MS116

SBT11601



HKF1-11

ST023014



HK1

ST20-02



SK1

ST21-02



UA1

ST19-02



Padlock + 2 keys + lock adapter

SK108B91 + SK015GB91



Direct adapter

ST018014

Type	Setting range	Order code	Weight/ piece kg	Packing Unit piece
	A...A			

#### MS116 with thermal and electromagnetic trips, short-circuit-proof up to 50 kA

MS116 - 0.16	0.10 ... 0.16	1SAM 250 000 R1001	0.268	1
MS116 - 0.25	0.16 ... 0.25	1SAM 250 000 R1002	0.268	1
MS116 - 0.4	0.25 ... 0.40	1SAM 250 000 R1003	0.268	1
MS116 - 0.63	0.40 ... 0.63	1SAM 250 000 R1004	0.268	1
MS116 - 1.0	0.63 ... 1.00	1SAM 250 000 R1005	0.268	1
MS116 - 1.6	1.00 ... 1.60	1SAM 250 000 R1006	0.268	1
MS116 - 2.5	1.60 ... 2.50	1SAM 250 000 R1007	0.268	1
MS116 - 4	2.50 ... 4.00	1SAM 250 000 R1008	0.268	1
MS116 - 6.3	4.00 ... 6.30	1SAM 250 000 R1009	0.268	1
MS116 - 10.0	6.30 ... 10.00	1SAM 250 000 R1010	0.268	1
MS116 - 12.0	8.00 ... 12.00	1SAM 250 000 R1012	0.268	1
MS116 - 16.0	10.00 ... 16.00	1SAM 250 000 R1011	0.268	1

#### Accessories

Type	Order code	Packing Unit piece
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#### Auxiliary switches, for front mounting ①

HKF1-11	1 NO + 1 NC	1SAM 201 901 R1001	10
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#### Auxiliary switches with lead contacts, also to use with undervoltage release

HK1-20L	2 NO lead contacts	1SAM 201 902 R1004	2
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#### Auxiliary switches, lateral attachment at right

HK1-11	1 NO + 1 NC	1SAM 201 902 R1001	2
HK1-20	2 NO	1SAM 201 902 R1002	2
HK1-02	2 NC	1SAM 201 902 R1003	2

#### Shunt release, lateral mounting at the left side

AA1-24	24 V, 50/60 Hz	1SAM 201 910 R1001	1
AA1-110	110 V, 50/60 Hz	1SAM 201 910 R1002	1
AA1-230	200-240 V, 50/60 Hz	1SAM 201 910 R1003	1
AA1-400	350-415 V, 50/60 Hz	1SAM 201 910 R1004	1

#### Signal switch for general "tripped" signal, lateral attachment at right

SK1-11	1 NO + 1 NC	1SAM 201 903 R1001	2
SK1-20	2 NO	1SAM 201 903 R1002	2
SK1-02	2 NC	1SAM 201 903 R1003	2

#### Undervoltage release, lateral attachment at left

UA1-24	24 V, 50 Hz	1SAM 201 904 R1001	1
UA1-48	48 V, 50 Hz	1SAM 201 904 R1002	1
UA1-60	60 V, 50 Hz	1SAM 201 904 R1003	1
UA1-120	110 V 50 Hz/120 V 60 Hz	1SAM 201 904 R1004	1
UA1-208	208 V, 60 Hz	1SAM 201 404 R1008	1
UA1-230	230 V 50 Hz/240 V 60 Hz	1SAM 201 904 R1005	1
UA1-400	400 V, 50 Hz	1SAM 201 904 R1006	1
UA1-415	415 V 50 Hz/480 V 60 Hz	1SAM 201 904 R1007	1

#### Locking device (see also MS325, Page 9)

SA1	lock adapter	GJF1 101 903 R0001	1
SA2	padlock + 2 keys	GJF1 101 903 R0002	1
SA3	lock adapter + padlock + 2 keys	GJF1 101 903 R0003	1
FC116	fixing clip for screw mounting	1SAM 201 909 R1001	

#### Direct adapter, for wiring to contactors

BEA7/116	mini contactors B6/B7	1SBN 080 906 R1000	1
BEA16/116	contactors A9/A12/A16	1SBN 081 406 R1000	1
BEA26/116	contactors A26	1SBN 082 406 R1000	1

① Not suitable for panel mounting

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#### Accessories

Type	Order cod	Packing Unit/piece	Price
<b>Phase buses for cross wiring MS116, 63 A, 690 V</b>			
<b>PS1-2-0</b> , for 2 devices without auxiliary switches	<b>1SAM 201 906 R1002</b>	10	
<b>PS1-3-0</b> , for 3 devices without auxiliary switches	<b>1SAM 201 906 R1003</b>	10	
<b>PS1-4-0</b> , for 4 devices without auxiliary switches	<b>1SAM 201 906 R1004</b>	10	
<b>PS1-5-0</b> , for 5 devices without auxiliary switches	<b>1SAM 201 906 R1005</b>	10	
<b>PS1-2-1</b> , for 2 devices with 1 auxiliary switch	<b>1SAM 201 906 R1012</b>	10	
<b>PS1-3-1</b> , for 3 devices with 1 auxiliary switch	<b>1SAM 201 906 R1013</b>	10	
<b>PS1-4-1</b> , for 4 devices with 1 auxiliary switch	<b>1SAM 201 906 R1014</b>	10	
<b>PS1-5-1</b> , for 5 devices with 1 auxiliary switch	<b>1SAM 201 906 R1015</b>	10	
<b>PS1-2-2</b> , for 2 devices with 2 auxiliary switches	<b>1SAM 201 906 R1022</b>	10	
<b>PS1-3-2</b> , for 3 devices with 2 auxiliary switches	<b>1SAM 201 906 R1023</b>	10	
<b>PS1-4-2</b> , for 4 devices with 2 auxiliary switches	<b>1SAM 201 906 R1024</b>	10	
<b>PS1-5-2</b> , for 5 devices with 2 auxiliary switches	<b>1SAM 201 906 R1025</b>	10	
<b>Power infeed blocks, 63 A, 690 V, stranded 25 mm<sup>2</sup>, flexible 16 mm<sup>2</sup></b>			
<b>S1-M1</b> , flat	<b>1SAM 201 907 R1001</b>	10	
<b>S1-M2</b> , high	<b>1SAM 201 907 R1002</b>	10	
<b>Cover for phase busses</b>			
<b>BS1-3</b>	<b>1SAM 201 908 R1001</b>	50	
<b>Insulating enclosure IP65, with rotary handle, triple lockable in Off position, with N- and PE-terminal, for Manual Motor Starter</b>			
<b>IB116-G</b> , Twist knob black	<b>1SAM 201 911 R1000</b>	1	
<b>IB116-Y</b> , Twist knob red/yellow	<b>1SAM 201 911 R1001</b>	1	
<b>Insulating enclosure, light grey IP55 with cover, including DIN rail for manual motor starter or line protection devices</b>			
<b>QES4/3N</b> , for 4 modules, 72 mm	<b>GHL 111 2304 R0013</b>		
<b>QES6/3N</b> , for 6 modules, 108 mm	<b>GHL 111 2306 R0013</b>		
<b>QES10/3N</b> , for 10 modules, 180 mm	<b>GHL 111 2310 R0013</b>		
Set of neutral and earth terminals			
<b>SMO4</b> , for QES 4/3 N	<b>GHL 430 1910 R0004</b>		
<b>SMO6</b> , for QES 6/3 N	<b>GHL 430 1910 R0006</b>		
<b>SMO10</b> , for QES 10/3 N	<b>GHL 430 1910 R0010</b>		
<b>Plastic enclosure, light grey, IP40 in panel design, including DIN rail</b>			
<b>PCD4N</b> , for 4 modules, 72 mm	<b>GHS 270 1921 R0004</b>		
<b>PCD6N</b> , for 6 modules, 108 mm	<b>GHS 270 1921 R0006</b>		
<b>PCD8N</b> , for 8 modules, 144 mm	<b>GHS 270 1921 R0008</b>		
<b>Switch cubicle mounting kit IP65, with axial extension triple lockable in Off position, locked in On position</b>			
<b>OHB2AJM</b> , Twist knob black	<b>1SCA 022 384 R6940</b>	1	
<b>OHY2AJM</b> , Twist knob red/yellow	<b>1SCA 022 384 R7080</b>	1	
<b>OXS5X85</b> , axis 85 mm	<b>1SCA 022 347 R3570</b>	1	
<b>OXS5X105</b> , axis 105 mm	<b>1SCA 022 347 R3650</b>	1	
<b>OXS5X130</b> , axis 130 mm	<b>1SCA 022 353 R4540</b>	1	
<b>OXS5X180</b> , axis 180 mm	<b>1SCA 022 353 R4620</b>	1	
<b>MSMN</b> , driver ①	<b>1SAM 101 923 R0001</b>	1	
<b>MSOX</b> , driver spindle 32 mm ②	<b>1SAM 101 924 R0001</b>	1	
<b>Door mounting kit IP65, Lockable in Off-position</b>			
<b>DMS116-G</b> , Twist knob black	<b>1SAM 201 912 R1000</b>	1	
<b>DMS116-Y</b> , Twist knob red/yellow	<b>1SAM 201 912 R1001</b>	1	

① For accommodating spindle and attachment to manual motor starter  
 ② Is screwed directly onto the manual motor starter