

# Manual Motor Starter MS 116

## Accessories

### Ordering details

Open design, enclosure IP 20, resistant to changeable climates. Quick fastening on mounting rails DIN EN 50 022, 35 mm without auxiliary switch.



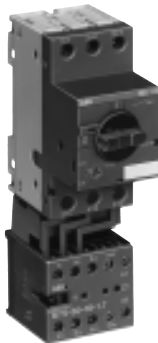
MS 116

SST11601



HKF 1-11

STO23014



MS 116 with mini contactor B6

MS116m3b



MS 116 with A-contactor

MS116m2b



Padlock + 2 keys + lock adapter

SK010BB1 + SK0150BB1



Direct adapter

STO26014

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

#### MS 116 with thermal and electromagnetic trips, short-circuit-proof up to 50 kA

MS 116 - 0.16	0.10 ... 0.16	1SAM 250 000 R 1001	0.268	1
MS 116 - 0.25	0.16 ... 0.25	1SAM 250 000 R 1002	0.268	1
MS 116 - 0.4	0.25 ... 0.40	1SAM 250 000 R 1003	0.268	1
MS 116 - 0.63	0.40 ... 0.63	1SAM 250 000 R 1004	0.268	1
MS 116 - 1.0	0.63 ... 1.00	1SAM 250 000 R 1005	0.268	1
MS 116 - 1.6	1.00 ... 1.60	1SAM 250 000 R 1006	0.268	1
MS 116 - 2.5	1.60 ... 2.50	1SAM 250 000 R 1007	0.268	1
MS 116 - 4	2.50 ... 4.00	1SAM 250 000 R 1008	0.268	1
MS 116 - 6.3	4.00 ... 6.30	1SAM 250 000 R 1009	0.268	1
MS 116 - 10.0	6.30 ... 10.00	1SAM 250 000 R 1010	0.268	1
MS 116 - 12.0	8.00 ... 12.00	1SAM 250 000 R 1012	0.268	1
MS 116 - 16.0	10.00 ... 16.00	1SAM 250 000 R 1011	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 R 1001	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 R 1004	10
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#### Auxiliary switches, lateral attachment at right

HK1-11	1 NO + 1 NC	1SAM 201 902 R 1001	10
HK1-20	2 NO	1SAM 201 902 R 1002	10
HK1-02	2 NC	1SAM 201 902 R 1003	10

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

AA1-24	24 V, 50/60 Hz	1SAM 201 910 R 1001	10
AA1-110	110 V, 50/60 Hz	1SAM 201 910 R 1002	10
AA1-230	200-240 V, 50/60 Hz	1SAM 201 910 R 1003	10
AA1-400	350-415 V, 50/60 Hz	1SAM 201 910 R 1004	10

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

SK1-11	1 NO + 1 NC	1SAM 201 903 R 1001	10
SK1-20	2 NO	1SAM 201 903 R 1002	10
SK1-02	2 NC	1SAM 201 903 R 1003	10

#### Undervoltage release, lateral attachment at left

UA1-24	24 V, 50 Hz	1SAM 201 904 R 1001	10
UA1-48	48 V, 50 Hz	1SAM 201 904 R 1002	10
UA1-60	60 V, 50 Hz	1SAM 201 904 R 1003	10
UA1-120	110 V 50 Hz/120 V 60 Hz	1SAM 201 904 R 1004	10
UA1-208	208 V, 60 Hz	1SAM 201 404 R 1008	10
UA1-230	230 V 50 Hz/240 V 60 Hz	1SAM 201 904 R 1005	10
UA1-400	400 V, 50 Hz	1SAM 201 904 R 1006	10
UA1-415	415 V 50 Hz/480 V 60 Hz	1SAM 201 904 R 1007	10

#### Locking device (see also MS 325, Page 9)

SA1	lock adapter	GJF1 101 903 R 0001	10
SA2	padlock + 2 keys	GJF1 101 903 R 0002	10
SA3	lock adapter + padlock + 2 keys	GJF1 101 903 R 0003	1

#### Direct adapter, for wiring to contactors

BEA7/116	mini contactors B6/B7	1SBN 080 906 R 1000	1
BEA16/116	contactors A9/A12/A16	1SBN 081 406 R 1000	1
BEA26/116	contactors A26	1SBN 082 406 R 1000	1

① Not suitable for panel mounting