



MATERIAL FACT SHEET

298677 S-T80 AC100V

General Data

Product Hierarchy	IAN50201
	MC
	S-T Body
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	B (Limited Availability from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_1A/EUR/en/p/000000000000298677

FA-MC: Magnetic Contactor

Series	MS-T SERIES MAGNETIC CONTACTOR
Type	NON-REVERSING, AC OPERATED
Frame Size	80
Current Type	AC TYPE
Coil Voltage (V)	100-127
Rated Current (A)	3-PHASE AC690V: 52
Rated Capacity (kW)	3-PHASE AC220-240V: 22
Rated Capacity (kW) (2)	3-PHASE AC380-440V: 45
Rated Capacity (kW) (3)	3-PHASE AC690V: 45
Rated Voltage (V)	690
Number of Poles	3
No of Auxiliary Contacts NO	2
No of Auxiliary Contacts NC	2
Frequency Range (Hz)	50/60
Min. Ambient Temperature (°C)	-10
Max. Ambient Temperature (°C)	40
Wiring	SCREW-CLAMP
Design / Styling	STANDARD
Compliant with Standard(s)	EN60947-4-1
Compliant with Standard(s) (2)	IEC60947-4-1
Compliant with Standard(s) (3)	JIS C8201-4-1
Electrical Durability (Load)	-
Mech. Durability (at no Load)	5 000 000 OPERATIONS
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	88
Height (mm)	106
Depth (mm)	106
Weight (kg)	0,75

Logistic Dimensions & Gross Weight

Length (cm)	10,5
Width (cm)	9,5
Height (cm)	11,5
Gross Weight (kg)	0,846
Volume (cdm)	1,147

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	01.11.2016
Predecessor	113627 / S-N80 AC100V

Additional Product Information

Battery included	NO
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Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	1000597-52-3
REACH Substance CAS Number (2)	101-77-9
REACH Substance CAS Number (3)	25214-70-4
REACH Substance CAS Number (4)	552-30-7
REACH Substance CAS Number (5)	7439-92-1
REACH Substance CAS Number (6)	80-05-7
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=S-T80%20AC100V&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=S-T80%20AC100V&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=S-T80%20AC100V&doc-lang=en

Product Packaging

Cardboard (g)	300
Other paper (g)	50
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	0
Wood (g)	0
Glass (g)	0
Others (g)	0

Compatible products

Material	Description / Price List Text / Classification
52625	UN-AX2CX 2A Auxiliary contact. 2NO; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52626	UN-AX2CX 1A1B Auxiliary contact. 1NO + 1NC; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52627	UN-AX2CX 2B Auxiliary contact. 2NC; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52628	UN-AX4CX 4A Auxiliary contact. 4NO; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52629	UN-AX4CX 2A2B Auxiliary contact. 2NO + 2NC; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52630	UN-AX4CX 3A1B Auxiliary contact. 3NO + 1NC; front clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52631	UN-AX11CX Auxiliary contact. 1NO + 1NC; side clip-on; for S(D)-N10 up to 65, SR(D)-N4 Class 100101003: FA-MC: Electrical Option
52634	UN-ML21 Mechanical interlock. For S(D)-N18 up to 65 Class 100101002: FA-MC: Mechanical Option

Material	Description / Price List Text / Classification
127116	UN-CZ500 Terminal cover. For SD-N50, 65 -Line or load-side Class 100101002: FA-MC: Mechanical Option
249103	UN-SY31 DC interface unit for operating coils Class 100101003: FA-MC: Electrical Option
249115	UN-SY11 DC interface unit for operating coils Class 100101003: FA-MC: Electrical Option
249116	UN-SY12 DC interface unit for operating coils; for S-T10-T100/SR-T5,T9/S-N125-N400 Class 100101003: FA-MC: Electrical Option
298608	TH-T65KP 15A Overload Relay. Ith = 12,0 ~ 18,0A; for S(D)-T65, 80, 100 Class 100101005: FA-MC: Overload Protection Relays
298609	TH-T65KP 22A Overload Relay. Ith = 18,0 ~ 36,0A; for S(D)-T65, 80,100 Class 100101005: FA-MC: Overload Protection Relays
298610	TH-T65KP 29A Overload Relay. Ith = 24,0 ~ 34,0A; for S(D)-T65, 80, 100 Class 100101005: FA-MC: Overload Protection Relays
298611	TH-T65KP 35A Overload Relay. Ith = 30,0 ~ 40,0A; for S(D)-T65, 80, 100 Class 100101005: FA-MC: Overload Protection Relays
298612	TH-T65KP 42A Overload Relay. Ith = 34,0 ~ 50,0A; for S(D)-T65, 80, 100 Class 100101005: FA-MC: Overload Protection Relays
298613	TH-T65KP 54A Overload Relay. Ith = 43,0 ~65,0A; for S(D)-T65, 80, 100 Class 100101005: FA-MC: Overload Protection Relays
298614	TH-T100KP 67A Overload Relay. Ith = 54,0 ~ 80,0A; for S(D)-T80,100 Class 100101005: FA-MC: Overload Protection Relays
298615	TH-T100KP 82A Overload Relay. Ith = 65,0 ~ 100,0A; for S(D)-T80,100 Class 100101005: FA-MC: Overload Protection Relays
316474	UN-FD4 DC24V 1A UN-FD4 DC24V 1A Class 100101003: FA-MC: Electrical Option
624863	UN-SA33 Main Circuit Surge Absorber Unit; AC240; 50/60Hz; for Magnetic Contactors Class 100101003: FA-MC: Electrical Option