



MATERIAL FACT SHEET

279226 S-T20 AC48V 1A1B

General Data

Product Hierarchy	IAN50201
	MC
	S-T Body
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000279226

FA-MC: Magnetic Contactor

Series	MS-T SERIES MAGNETIC CONTACTOR
Type	NON-REVERSING, AC OPERATED
Frame Size	20
Current Type	AC TYPE
Coil Voltage (V)	48-50
Rated Current (A)	3-PHASE AC690V: 9
Rated Capacity (kW)	3-PHASE AC220-240V: 4.5
Rated Capacity (kW) (2)	3-PHASE AC380-440V: 7.5
Rated Capacity (kW) (3)	3-PHASE AC690V: 7.5
Rated Voltage (V)	690
Number of Poles	3
No of Auxiliary Contacts NO	1
No of Auxiliary Contacts NC	1
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)	100000(AT 18A;AC3;380-440VAC)
Mech. Durability (at no Load)	10 000 000 OPERATIONS
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	43
Height (mm)	75
Depth (mm)	78
Weight (kg)	0,27

Logistic Dimensions & Gross Weight

Length (cm)	7,5
Width (cm)	4,0
Height (cm)	8,0
Gross Weight (kg)	0,287
Volume (cdm)	0,240

Stock Data

Planned Delivery Time (Days)	134
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Life Cycle

Sales Start	28.11.2014
Predecessor	No Predecessor

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	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=S-T20%20AC48V%201A1B&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=S-T20%20AC48V%201A1B&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=S-T20%20AC48V%201A1B&doc-lang=en

Product Packaging

Cardboard (g)	150
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	1
Wood (g)	0
Glass (g)	0
Others (g)	0

Compatible products

Material	Description / Price List Text / Classification
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
279281	TH-T18KP 0.12A Overload Relay. Ith = 0,1 ~ 0,16A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279282	TH-T18KP 0.17A Overload Relay. Ith = 0,14 ~ 0,22A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279283	TH-T18KP 0.24A Overload Relay. Ith = 0,2 ~ 0,32A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279284	TH-T18KP 0.35A Overload Relay. Ith = 0,28 ~ 0,42A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279285	TH-T18KP 0.5A Overload Relay. Ith = 0,4 ~ 0,6A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279286	TH-T18KP 0.7A Overload Relay. Ith = 0,55 ~ 0,85A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279287	TH-T18KP 0.9A Overload Relay. Ith = 0,7 ~ 1,1A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279288	TH-T18KP 1.3A Overload Relay. Ith = 1,0 ~ 1,6A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays

Material	Description / Price List Text / Classification
279289	TH-T18KP 1.7A Overload Relay. Ith = 1,4 ~ 2,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279290	TH-T18KP 2.1A Overload Relay. Ith = 1,7 ~ 2,5A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279291	TH-T18KP 2.5A Overload Relay. Ith = 2,0 ~ 3,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279292	TH-T18KP 3.6A Overload Relay. Ith = 2,8 ~ 4,4A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279293	TH-T18KP 5A Overload Relay. Ith = 4,0 ~ 6,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279294	TH-T18KPCX 6.6A Overload Relay. Ith = 5,2 ~ 8,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279295	TH-T18KP 9A Overload Relay. Ith = 7,0 ~ 11,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279296	TH-T18KP 11A Overload Relay. Ith = 9,0 ~ 13,0A; for S(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279297	TH-T18KP 15A Overload Relay. Ith = 12,0 ~ 18,0A; for S-(D)-T10, 12, 20 Class 100101005: FA-MC: Overload Protection Relays
279314	UT-AX11 1A1B Auxiliary contact. 1NO + 1NC; side clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279315	UT-AX2 1A1B Auxiliary contact. 1NO + 1NC; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279316	UT-AX2 2A Auxiliary contact. 2NO; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279317	UT-AX2 2B Auxiliary contact. 2NC; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279318	UT-AX4 2A2B Auxiliary contact. 2NO + 2NC; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279319	UT-AX4 3A1B Auxiliary contact. 3NO + 1NC; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279320	UT-AX4 4A Auxiliary contact. 4NO; front clip-on; for S-T, SR-T Class 100101003: FA-MC: Electrical Option
279322	UT-SA21 AC48V Surge abs. Varistor; AC 24~50V, DC 24~220V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option
279323	UT-SA21 AC200V Surge abs. Varistor; AC 100~240V, DC 24~220V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option
279324	UT-SA21 AC400V Surge abs. Varistor; AC 346~480V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option
279325	UT-SA22 AC200V Surge abs. Varistor + LED; AC 100~240V, DC 24~220V; f. SS-T, SR-T Class 100101003: FA-MC: Electrical Option
279326	UT-SA23 AC200V Surge abs. CR; AC 100~240V, DC 24~60V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option
279327	UT-SA25 AC48V Surge abs. Varistor + CR; AC 24~50V, DC 100~250V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option
279328	UT-SA25 AC200V Surge abs. Varistor + CR; AC 100~240V; f. S-T, SR-T Class 100101003: FA-MC: Electrical Option

Material	Description / Price List Text / Classification
293229	UT-HZ18 Separate mounting adaptor for Thermal Overload Relays TN-T18 Class 100101003: FA-MC: Electrical Option
295824	UT-ML20 Mechanical interlock. For SD-T12, 20 Class 100101002: FA-MC: Mechanical Option
316474	UN-FD4 DC24V 1A UN-FD4 DC24V 1A Class 100101003: FA-MC: Electrical Option
497349	UT-SY21 DC interface module for S-T contactor; solid state output; direct mounting Class 100101003: FA-MC: Electrical Option
594864	UN-TH21 Connecting bar kit S(D)-N20-21 with TH-N20KP/T25KP Class 100101003: FA-MC: Electrical Option
599402	UT-AX2 1A1B Auxiliary contact.1NO+1NC; front clip-on; for S-T,SR-T; without UL certification Class 100101003: FA-MC: Electrical Option
599403	UT-AX2 2A Auxiliary contact. 2NO; front clip-on; for S-T, SR-T; without UL certification Class 100101003: FA-MC: Electrical Option
599404	UT-AX2 2B Auxiliary contact. 2NC; front clip-on; for S-T, SR-T; without UL certification Class 100101003: FA-MC: Electrical Option
599405	UT-AX4 2A2B Auxiliary contact.2NO+2NC; front clip-on; for S-T,SR-T; without UL certification Class 100101003: FA-MC: Electrical Option
599406	UT-AX4 3A1B Auxiliary contact.3NO+1NC; front clip-on; for S-T,SR-T; without UL certification Class 100101003: FA-MC: Electrical Option
599407	UT-AX4 4A Auxiliary contact. 4NO; front clip-on; for S-T, SR-T; without UL certification 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