



MATERIAL FACT SHEET

287520 SD-T20 DC48V 1A1B

General Data

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

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_1A/EUR/en/p/000000000000287520

FA-MC: Magnetic Contactor

Series	MS-T SERIES MAGNETIC CONTACTOR
Type	NON-REVERSING, DC OPERATED
Frame Size	20
Current Type	DC TYPE
Coil Voltage (V)	48
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)	-
Mech. Durability (at no Load)	10 000 000 OPERATIONS
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	43
Height (mm)	75
Depth (mm)	100
Weight (kg)	0,42

Logistic Dimensions & Gross Weight

Length (cm)	4,5
Width (cm)	7,5
Height (cm)	10,0
Gross Weight (kg)	0,430
Volume (cdm)	0,338

Stock Data

Planned Delivery Time (Days)	194
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Life Cycle

Sales Start	01.07.2015
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=SD-T20%20DC48V%201A1B&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=SD-T20%20DC48V%201A1B&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=SD-T20%20DC48V%201A1B&doc-lang=en

Product Packaging

Cardboard (g)	500
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
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
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

Material	Description / Price List Text / Classification
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
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
295824	UT-ML20 Mechanical interlock. For SD-T12, 20 Class 100101002: FA-MC: Mechanical Option
302542	UT-SA3320 Class 100101003: FA-MC: Electrical Option
316474	UN-FD4 DC24V 1A UN-FD4 DC24V 1A Class 100101003: FA-MC: Electrical Option

Material	Description / Price List Text / Classification
598521	UT-AX2SQ 1A1B Auxiliary contact. 1NO + 1NC; front clip-on; for S-T, SR-T;Spring Clamp Class 100101003: FA-MC: Electrical Option
598522	UT-AX4SQ 2A2B Auxiliary contact. 2NO + 2NC; front clip-on; for S-T, SR-T;Spring Clamp Class 100101003: FA-MC: Electrical Option
614734	UT-AX2BC 1A1B Auxiliary contact1NO+1NC;front clip-on;for S-T,SR-T;Wiring Streamlining Terminal Class 100101003: FA-MC: Electrical Option
614735	UT-AX2BC 2A Auxiliary contact.2NO; front clip-on; for S-T, SR-T;Wiring Streamlining Terminal Class 100101003: FA-MC: Electrical Option
614736	UT-AX2BC 2B Auxiliary contact.2NC; front clip-on; for S-T, SR-T;Wiring Streamlining Terminal 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