



## MATERIAL FACT SHEET

### 279227 S-T20 AC100V 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/000000000000279227](https://mitsubishi-electric-eshop.mee.com/mee/FA_1A/EUR/en/p/000000000000279227)

#### 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)               | 100-127                        |
| 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)       | 8,0   |
| Width (cm)        | 4,5   |
| Height (cm)       | 8,0   |
| Gross Weight (kg) | 0,281 |
| Volume (cdm)      | 0,288 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 134 |
|------------------------------|-----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 28.11.2014     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                  |    |
|------------------|----|
| Battery included | NO |
|------------------|----|

## 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       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en</a> |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=S-T20%20AC100V%201A1B&amp;doc-lang=en</a> |

## 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<br>DC interface unit for operating coils<br>Class 100101003: FA-MC: Electrical Option                                      |
| 249116                 | UN-SY12<br>DC interface unit for operating coils; for S-T10-T100/SR-T5,T9/S-N125-N400<br>Class 100101003: FA-MC: Electrical Option |
| <a href="#">279281</a> | TH-T18KP 0.12A<br>Overload Relay. Ith = 0,1 ~ 0,16A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">279282</a> | TH-T18KP 0.17A<br>Overload Relay. Ith = 0,14 ~ 0,22A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays   |
| <a href="#">279283</a> | TH-T18KP 0.24A<br>Overload Relay. Ith = 0,2 ~ 0,32A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">279284</a> | TH-T18KP 0.35A<br>Overload Relay. Ith = 0,28 ~ 0,42A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays   |
| <a href="#">279285</a> | TH-T18KP 0.5A<br>Overload Relay. Ith = 0,4 ~ 0,6A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays      |
| <a href="#">279286</a> | TH-T18KP 0.7A<br>Overload Relay. Ith = 0,55 ~ 0,85A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">279287</a> | TH-T18KP 0.9A<br>Overload Relay. Ith = 0,7 ~ 1,1A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays      |
| <a href="#">279288</a> | TH-T18KP 1.3A<br>Overload Relay. Ith = 1,0 ~ 1,6A; for S(D)-T10, 12, 20<br>Class 100101005: FA-MC: Overload Protection Relays      |

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

| Material               | Description / Price List Text / Classification                                                                                               |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">293229</a> | UT-HZ18<br>Separate mounting adaptor for Thermal Overload Relays TN-T18<br>Class 100101003: FA-MC: Electrical Option                         |
| <a href="#">295824</a> | UT-ML20<br>Mechanical interlock. For SD-T12, 20<br>Class 100101002: FA-MC: Mechanical Option                                                 |
| 316474                 | UN-FD4 DC24V 1A<br>UN-FD4 DC24V 1A<br>Class 100101003: FA-MC: Electrical Option                                                              |
| <a href="#">497349</a> | UT-SY21<br>DC interface module for S-T contactor; solid state output; direct mounting<br>Class 100101003: FA-MC: Electrical Option           |
| <a href="#">594864</a> | UN-TH21<br>Connecting bar kit S(D)-N20-21 with TH-N20KP/T25KP<br>Class 100101003: FA-MC: Electrical Option                                   |
| 599402                 | UT-AX2 1A1B<br>Auxiliary contact.1NO+1NC; front clip-on; for S-T,SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option |
| 599403                 | UT-AX2 2A<br>Auxiliary contact. 2NO; front clip-on; for S-T, SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option     |
| <a href="#">599404</a> | UT-AX2 2B<br>Auxiliary contact. 2NC; front clip-on; for S-T, SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option     |
| 599405                 | UT-AX4 2A2B<br>Auxiliary contact.2NO+2NC; front clip-on; for S-T,SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option |
| <a href="#">599406</a> | UT-AX4 3A1B<br>Auxiliary contact.3NO+1NC; front clip-on; for S-T,SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option |
| <a href="#">599407</a> | UT-AX4 4A<br>Auxiliary contact. 4NO; front clip-on; for S-T, SR-T; without UL certification<br>Class 100101003: FA-MC: Electrical Option     |
| <a href="#">624863</a> | UN-SA33<br>Main Circuit Surge Absorber Unit; AC240; 50/60Hz; for Magnetic Contactors<br>Class 100101003: FA-MC: Electrical Option            |