



## MATERIAL FACT SHEET

### 298686 S-T100 AC24V

#### 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\\_IA/EUR/en/p/000000000000298686](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000298686)

#### FA-MC: Magnetic Contactor

|                                |                                |
|--------------------------------|--------------------------------|
| Series                         | MS-T SERIES MAGNETIC CONTACTOR |
| Type                           | NON-REVERSING, AC OPERATED     |
| Frame Size                     | 100                            |
| Current Type                   | AC TYPE                        |
| Coil Voltage (V)               | 24                             |
| Rated Current (A)              | 3-PHASE AC690V: 65             |
| Rated Capacity (kW)            | 3-PHASE AC220-240V: 30         |
| Rated Capacity (kW) (2)        | 3-PHASE AC380-440V: 55         |
| Rated Capacity (kW) (3)        | 3-PHASE AC690V: 55             |
| 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)  | 100 |
| Height (mm) | 124 |
| Depth (mm)  | 127 |
| Weight (kg) | 1,7 |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 10,5  |
| Width (cm)        | 9,5   |
| Height (cm)       | 11,5  |
| Gross Weight (kg) | 1,714 |
| Volume (cdm)      | 1,147 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 300 |
|------------------------------|-----|

#### Life Cycle

|             |                      |
|-------------|----------------------|
| Sales Start | 01.11.2016           |
| Predecessor | 113645 / S-N95 AC24V |

#### 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           | YES                        |
| REACH Substance CAS Number     | <a href="#">101-77-9</a>   |
| REACH Substance CAS Number (2) | <a href="#">25214-70-4</a> |
| REACH Substance CAS Number (3) | <a href="#">552-30-7</a>   |
| REACH Substance CAS Number (4) | <a href="#">80-05-7</a>    |
| REACH Substance CAS Number (5) | <a href="#">9016-45-9</a>  |
| Dangerous Goods Class          | NO                         |
| Dangerous Goods Identifier     | NO                         |
| WEEE                           | B2B                        |

## Conformity

|        |           |
|--------|-----------|
| CE     | COMPLIANT |
| UL/cUL | 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-T100%20AC24V&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=S-T100%20AC24V&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-T100%20AC24V&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=S-T100%20AC24V&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-T100%20AC24V&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=S-T100%20AC24V&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 550 |
| Other paper (g)   | 0   |
| 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                                                                                     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">113691</a> | UN-AX80<br>Auxiliary contact. 1NO + 1NC; side clip-on; for S(D)-N80 up to 125<br>Class 100101003: FA-MC: Electrical Option         |
| <a href="#">113704</a> | UN-CZ800<br>Terminal cover. For S(D)-N80, 95 -Line or load-side<br>Class 100101002: FA-MC: Mechanical Option                       |
| <a href="#">124294</a> | UN-ML80<br>Mechanical interlock. For S(D)-N80 up to 125<br>Class 100101002: FA-MC: Mechanical Option                               |
| 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="#">298608</a> | TH-T65KP 15A<br>Overload Relay. Ith = 12,0 ~ 18,0A; for S(D)-T65, 80, 100<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">298609</a> | TH-T65KP 22A<br>Overload Relay. Ith = 18,0 ~ 36,0A; for S(D)-T65, 80,100<br>Class 100101005: FA-MC: Overload Protection Relays     |
| <a href="#">298610</a> | TH-T65KP 29A<br>Overload Relay. Ith = 24,0 ~ 34,0A; for S(D)-T65, 80, 100<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">298611</a> | TH-T65KP 35A<br>Overload Relay. Ith = 30,0 ~ 40,0A; for S(D)-T65, 80, 100<br>Class 100101005: FA-MC: Overload Protection Relays    |

| Material               | Description / Price List Text / Classification                                                                                    |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">298612</a> | TH-T65KP 42A<br>Overload Relay. Ith = 34,0 ~ 50,0A; for S(D)-T65, 80, 100<br>Class 100101005: FA-MC: Overload Protection Relays   |
| <a href="#">298613</a> | TH-T65KP 54A<br>Overload Relay. Ith = 43,0 ~65,0A; for S(D)-T65, 80, 100<br>Class 100101005: FA-MC: Overload Protection Relays    |
| <a href="#">298614</a> | TH-T100KP 67A<br>Overload Relay. Ith = 54,0 ~ 80,0A; for S(D)-T80,100<br>Class 100101005: FA-MC: Overload Protection Relays       |
| <a href="#">298615</a> | TH-T100KP 82A<br>Overload Relay. Ith = 65,0 ~ 100,0A; for S(D)-T80,100<br>Class 100101005: FA-MC: Overload Protection Relays      |
| 316474                 | UN-FD4 DC24V 1A<br>UN-FD4 DC24V 1A<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 |