



## MATERIAL FACT SHEET

### 279548 RY41NT2P

#### General Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product Hierarchy   | IAD51401                            |
|                     | Modular PLC                         |
|                     | IQ-R Standard                       |
| Ext. Material Group | 10 STANDARD ITEM                    |
| ABC Indicator       | B (Limited Availability from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000279548](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000279548)

#### FA-MOD PLC: Digital Output Module

|                              |                          |
|------------------------------|--------------------------|
| Series                       | MELSEC IQ-R SERIES       |
| Type                         | TRANSISTOR OUTPUT (SINK) |
| Power Supply (V)             | 12/24                    |
| Current Type                 | DC                       |
| Occupied I/O Points on PLC   | 32                       |
| Integrated Digital Outputs   | 32                       |
| Output Type                  | TRANSISTOR               |
| Output Logic                 | SINK                     |
| Rated Load Voltage (VDC)     | 12-24                    |
| Wiring                       | CONNECTOR                |
| Int. Current Consumption (A) | 0,18                     |

#### Product Dimensions & Weight

|             |          |
|-------------|----------|
| Width (mm)  | 27,8     |
| Height (mm) | 98 (106) |
| Depth (mm)  | 131      |
| Weight (kg) | 0,11     |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 16,0  |
| Width (cm)        | 15,0  |
| Height (cm)       | 5,0   |
| Gross Weight (kg) | 0,191 |
| Volume (cdm)      | 1,200 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 75 |
|------------------------------|----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 09.12.2014     |
| Predecessor | No Predecessor |

#### Additional Product Information

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

#### Export Data

|  |            |
|--|------------|
| Commodity Code                           | 85389099   |
| 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="#">7439-92-1</a> |
| Dangerous Goods Class      | NO                        |
| Dangerous Goods Identifier | NO                        |

|                 |           |
|-----------------|-----------|
| RoHS Compliance | COMPLIANT |
| WEEE            | B2B       |

### Conformity

|                    |                          |
|--------------------|--------------------------|
| CE                 | COMPLIANT                |
| UL/cUL             | COMPLIANT                |
| EAC                | NON-COMPLIANT            |
| Shipping Approvals | ABS,BV,DNV GL,LR,NK,RINA |
| 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=RY41NT2P&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RY41NT2P&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=RY41NT2P&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RY41NT2P&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=RY41NT2P&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RY41NT2P&amp;doc-lang=en</a> |

### Product Packaging

|                   |    |
|-------------------|----|
| Cardboard (g)     | 45 |
| Other paper (g)   | 26 |
| Aluminum (g)      | 0  |
| Steel (g)         | 0  |
| Styrofoam (g)     | 0  |
| Other plastic (g) | 3  |
| Wood (g)          | 0  |
| Glass (g)         | 0  |
| Others (g)        | 0  |

### Compatible products

| Material               | Description / Price List Text / Classification   |
|------------------------|--|
| <a href="#">39511</a>  | A6TBXY36<br>Terminal block; positive common input- sink/source output modules, one wire<br>Class 100100215: FA-MOD PLC: Other Option |
| <a href="#">75398</a>  | AC05TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 0,5 m<br>Class 100100214: FA-MOD PLC: Cable            |
| <a href="#">75400</a>  | AC10TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 1 m<br>Class 100100214: FA-MOD PLC: Cable              |
| <a href="#">75537</a>  | A6TBXY54<br>Terminal block; positive common input- sink/source output modules, two wire<br>Class 100100215: FA-MOD PLC: Other Option |
| <a href="#">75540</a>  | A6TBX70<br>Terminal block; positive common input modules, three wire<br>Class 100100215: FA-MOD PLC: Other Option                    |
| <a href="#">88266</a>  | AC30TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 3 m<br>Class 100100214: FA-MOD PLC: Cable              |
| <a href="#">134139</a> | A6CON1<br>PLC Connection-plug for I/O-Modules Source-Input/Sink-Output, soldering<br>Class 100100215: FA-MOD PLC: Other Option       |
| <a href="#">134140</a> | A6CON2<br>PLC Connection-plug for I/O-Modules Source-Input/Sink-Output, crimp<br>Class 100100215: FA-MOD PLC: Other Option           |
| <a href="#">134141</a> | A6CON3<br>PLC Connection-plug for I/O-Modules Source-Input/Sink-Output, wrap<br>Class 100100215: FA-MOD PLC: Other Option            |
| <a href="#">140991</a> | Q40CBL-3M<br>PLC Connection cable 40-pin modules (A6CON-type), shielded, length 3 m, open end<br>Class 100100214: FA-MOD PLC: Cable  |
| <a href="#">140997</a> | Q40CBL-5M<br>PLC Connection cable 40-pin modules (A6CON-type), shielded, length 5 m open end<br>Class 100100214: FA-MOD PLC: Cable   |
| <a href="#">142323</a> | AC20TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 2 m<br>Class 100100214: FA-MOD PLC: Cable              |
| <a href="#">146923</a> | A6CON4<br>PLC Connection-plug for I/O-Modules as A6CON-1 w/ 45 degree cable-outlet<br>Class 100100215: FA-MOD PLC: Other Option      |

| Material               | Description / Price List Text / Classification  |
|------------------------|---|
| <a href="#">158068</a> | Q40CBL-10M<br>PLC Connection cable 40-pin modules (A6CON-type), shielded, length 10 m open end<br>Class 100100214: FA-MOD PLC: Cable      |
| <a href="#">158069</a> | Q40CBL-15M<br>PLC Connection cable 40-pin modules (A6CON-type), shielded, length 15 m open end<br>Class 100100214: FA-MOD PLC: Cable      |
| <a href="#">167119</a> | FA-TB32XY<br>32 I/O terminal block type; screw type<br>Class 100100299: FA-MOD PLC: Sets  |
| <a href="#">202286</a> | FA-CBL05FMV<br>Connection cable; PLC 40-pin I/O connector to 32-point terminal block; 0,5 m<br>Class 100100214: FA-MOD PLC: Cable         |
| 204129                 | AC50TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 5 m<br>Class 100100214: FA-MOD PLC: Cable                   |
| 226903                 | FA-TH16YSR21S<br>Terminal block for output modules; 16 outputs; TRIAC; 2-wire<br>Class 100100215: FA-MOD PLC: Other Option                |
| 226904                 | FA-TH16YSR20S<br>Terminal block for output modules; 16 outputs; TRIAC;<br>Class 100100215: FA-MOD PLC: Other Option                       |
| <a href="#">226937</a> | FA-TH16YTR20S<br>Terminal block for output modules; 16 outputs; source/sink type; transistor<br>Class 100100215: FA-MOD PLC: Other Option |
| <a href="#">227165</a> | FA-CBL10FMV<br>Connection cable; PLC 40-pin I/O connector to 32-point terminal block; 1 m<br>Class 100100214: FA-MOD PLC: Cable           |
| <a href="#">228767</a> | FA-CBL30FM2V<br>Cable for PLC terminal block, 3m<br>Class 100100214: FA-MOD PLC: Cable  |
| <a href="#">228768</a> | FA-TH16YTL11S<br>Terminal block for output modules; 16 transistor outp. 1A; sink; 1-wire; screw<br>Class 100100299: FA-MOD PLC: Sets      |
| 231229                 | AC80TB<br>Connection cable for terminal block; A6TBXY36 / A6TBXY54 / A6TBX70; 8 m<br>Class 100100214: FA-MOD PLC: Cable                   |
| 234408                 | FA-TH16YRA20S<br>Terminal block for PLC transistor output modules; 16 points; relay; screw type<br>Class 100100299: FA-MOD PLC: Sets      |
| 248981                 | FA-CB16XY1<br>Terminal block conversion module; 16 points; PLC I/O to one-touch connector<br>Class 100100299: FA-MOD PLC: Sets            |
| <a href="#">248982</a> | FA-TB16XY2<br>Terminal block; 16-point distributed type for 32-point PLC I/O; 3-w (FA-TB16XY1)<br>Class 100100299: FA-MOD PLC: Sets       |
| 248983                 | FA-TB8XY1<br>Terminal block; 8-point distributed type for 32-point PLC I/O; (FA-TB8XY*)<br>Class 100100299: FA-MOD PLC: Sets              |
| 278032                 | FA-TH16YRA11S<br>Terminal block for output modules; 16 relay outputs, NO, 2A; 1-wire; screw<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">278033</a> | FA-CBL10FM2V<br>Connection Cable - VERTICAL ROUND CABLE 1.0m<br>Class 100100214: FA-MOD PLC: Cable  |
| <a href="#">278130</a> | FA-CBL50FMV<br>Connection cable; PLC 40-pin I/O connector to 32-point terminal block; 5 m<br>Class 100100214: FA-MOD PLC: Cable           |
| <a href="#">279593</a> | FA-TB16XY<br>Connector 16point terminal conversion unit<br>Class 100100215: FA-MOD PLC: Other Option                                      |
| <a href="#">279594</a> | FA-TBS40P<br>Screw terminal block general purpose 40 point interface, FA-CBL*<br>Class 100100215: FA-MOD PLC: Other Option                |
| <a href="#">279747</a> | FA-CBL05FMV-M<br>0.5m I/O Unit Connection Horizontal Round 40 Core Cable<br>Class 100100214: FA-MOD PLC: Cable                            |
| <a href="#">279748</a> | FA-CBL30FMV-M<br>3.0m; I/O Unit Connection Horizontal Round 40 Core Cable<br>Class 100100214: FA-MOD PLC: Cable                           |

| Material               | Description / Price List Text / Classification   |
|------------------------|--|
| <a href="#">279750</a> | FA-CBL30FMV<br>Connection cable; PLC 40-pin I/O connector to 32-point terminal block; 3 m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">280077</a> | FA-CBL20FV<br>Connector digital IO conversion unit connection cable (DC); 40 core cable; 2.0m<br>Class 100100214: FA-MOD PLC: Cable            |
| <a href="#">280078</a> | FA-CBL30FV<br>Connector digital IO conversion unit connection cable (DC); 40 core cable; 3.0m<br>Class 100100214: FA-MOD PLC: Cable            |
| <a href="#">280079</a> | FA-CBL50FV<br>Connector digital IO conversion unit connection cable (DC); 40 core cable; 5.0m<br>Class 100100214: FA-MOD PLC: Cable            |
| <a href="#">280080</a> | FA-CBL80FV<br>Connector digital IO conversion unit connection cable (DC); 40 core cable; 8.0m<br>Class 100100214: FA-MOD PLC: Cable            |
| <a href="#">301917</a> | FA-TB16XY1<br>Terminal block; 16-point distributed type for 32-point PLC I/O; 3-w (FA-TB16XY2)<br>Class 100100299: FA-MOD PLC: Sets            |
| <a href="#">301918</a> | FA-TB8XY3<br>Screw terminal Conversion unit; 8 point separate type<br>Class 100100299: FA-MOD PLC: Sets  |
| <a href="#">301919</a> | FA-TB8XY4<br>Screw Terminal Conversion Unit; 8 point separate type<br>Class 100100299: FA-MOD PLC: Sets  |
| <a href="#">301920</a> | FA-CBL50MMH<br>Connection cable for DC-dedicated distributed type conversion modules; 5 m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">301921</a> | FA-CBL05MMH<br>Connection cable for DC-dedicated distributed type conversion modules; 0,5 m<br>Class 100100214: FA-MOD PLC: Cable              |
| <a href="#">305748</a> | FA-CBL20FMV<br>Connection cable; PLC 40-pin I/O connector to 32-point terminal block; 2 m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">305749</a> | FA-CBL10FMV-M<br>Connection cable PLC IO unit to Terminal block conversion unit 1m<br>Class 100100214: FA-MOD PLC: Cable                       |
| <a href="#">305750</a> | FA-CBL20FMV-M<br>Connection cable PLC IO unit to Terminal block conversion unit 2m<br>Class 100100214: FA-MOD PLC: Cable                       |
| <a href="#">305751</a> | FA-TBS32XY<br>32-point terminal block type; screw type<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">305766</a> | FA-TB32XYP3<br>Terminal block conversion unit MELSEC PLC connector For I / O unit; screw<br>Class 100100215: FA-MOD PLC: Other Option          |
| <a href="#">308387</a> | FA1-TESV32XY<br>Connector Spring Clamp 32 Point Terminal Conversion Unit<br>Class 100100215: FA-MOD PLC: Other Option                          |
| <a href="#">314841</a> | Q40CBL-10M-S<br>PLC Connection cable 40-pin modules(A6CON-type),10m,open,LiYY 40x0,14 mm²,flex<br>Class 100100214: FA-MOD PLC: Cable           |
| <a href="#">314842</a> | Q40CBL-15M-S<br>PLC Connection cable 40-pin modules(A6CON-type),15m open,LiYY 40x0,14 mm²,flex<br>Class 100100214: FA-MOD PLC: Cable           |
| <a href="#">412471</a> | FA-TB32XYL<br>32 I/O terminal block type; LED indicator screw type<br>Class 100100215: FA-MOD PLC: Other Option                                |
| <a href="#">492024</a> | FA-TH16YTH11S<br>Terminal block for output modules; 16 transistor outp. 1A; source; 1-wire; screw<br>Class 100100215: FA-MOD PLC: Other Option |
| <a href="#">578106</a> | A6TE2-16SRN<br>Relay terminal module; 16 points; sink output modules; 24VDC; 2A/point 8A/common<br>Class 100100215: FA-MOD PLC: Other Option   |
| <a href="#">578107</a> | FA-CBL50FMV-M<br>Connection cable PLC IO unit to Terminal block conversion unit 5m<br>Class 100100214: FA-MOD PLC: Cable                       |