

### product type designation



### ASM 475 communication module

MOBY communication module ASM475 for SIMATIC S7 300 and ET200M parameterizable (without front connector)

### suitability for operation

SIMATIC S7-300, ET200M together with RF200/300/600, MV400/500, MOBY D/E/I/U

### transfer rate

|                                                                     |              |
|---------------------------------------------------------------------|--------------|
| transfer rate / at the point-to-point connection / serial / maximum | 115.2 kbit/s |
|---------------------------------------------------------------------|--------------|

### interfaces

|                                                                                                                                                                                 |                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| design of the interface / for point-to-point connection                                                                                                                         | RS422                                                                                                                             |
| number of readers / connectable                                                                                                                                                 | 2                                                                                                                                 |
| type of electrical connection                                                                                                                                                   |                                                                                                                                   |
| <ul style="list-style-type: none"> <li>of the backplane bus</li> <li>of the PROFIBUS interface</li> <li>of Industrial Ethernet interface</li> <li>for supply voltage</li> </ul> | S7-300 backplane bus<br>(according to the head module)<br>(according to the head module)<br>Screw-type or spring-loaded terminals |
| design of the interface / to the reader / for communication                                                                                                                     | Screw-type or spring-loaded terminals                                                                                             |

### mechanical data

|          |            |
|----------|------------|
| material | Noryl      |
| color    | anthracite |

### supply voltage, current consumption, power loss

|                                                                                                                                 |                     |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------|
| supply voltage                                                                                                                  |                     |
| <ul style="list-style-type: none"> <li>at DC / rated value</li> <li>at DC</li> </ul>                                            | 24 V<br>20 ... 30 V |
| consumed current / at DC / at 24 V                                                                                              |                     |
| <ul style="list-style-type: none"> <li>without connected devices / typical</li> <li>with connected devices / maximum</li> </ul> | 0.1 A<br>1 A        |

### ambient conditions

|                                                                                                                      |                                                 |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| ambient temperature                                                                                                  |                                                 |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul> | 0 ... 60 °C<br>-40 ... +70 °C<br>-40 ... +70 °C |
| protection class IP                                                                                                  | IP20                                            |
| shock resistance                                                                                                     | According to IEC 61131-2                        |
| shock acceleration                                                                                                   | 150 m/s <sup>2</sup>                            |
| vibrational acceleration                                                                                             | 10 m/s <sup>2</sup>                             |

### design, dimensions and weights

|        |        |
|--------|--------|
| width  | 40 mm  |
| height | 125 mm |

|                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| depth                                                                                                                                                                                                                                                                                                                                                                                | 120 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| net weight                                                                                                                                                                                                                                                                                                                                                                           | 0.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| fastening method                                                                                                                                                                                                                                                                                                                                                                     | S7-300 rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| wire length / for RS 422 interface / maximum                                                                                                                                                                                                                                                                                                                                         | 1000 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| product features, product functions, product components / general                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| display version                                                                                                                                                                                                                                                                                                                                                                      | 4 LEDs per reader connection, 2 LEDs for device status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| product function / addressable transponder file handler                                                                                                                                                                                                                                                                                                                              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| protocol / is supported <ul style="list-style-type: none"><li>• S7 communication</li></ul>                                                                                                                                                                                                                                                                                           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| product functions / management, configuration, engineering                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| type of parameterization                                                                                                                                                                                                                                                                                                                                                             | Object manager, GSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| type of programming                                                                                                                                                                                                                                                                                                                                                                  | FB 45, FB 55, FC 56 (FC 45/55 with limited functionality)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| type of computer-switched communication                                                                                                                                                                                                                                                                                                                                              | acyclic communication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| standards, specifications, approvals                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                           | CE, FCC, UL/CSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| accessories                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| accessories                                                                                                                                                                                                                                                                                                                                                                          | Front connector with screw-type or spring-loaded terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| further information / internet-Links                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Internet-Link <ul style="list-style-type: none"><li>• to web page: selection aid TIA Selection Tool</li><li>• to website: Industrial communication</li><li>• to website: Industry Mall</li><li>• to website: Information and Download Center</li><li>• to website: Image database</li><li>• to website: CAx-Download-Manager</li><li>• to website: Industry Online Support</li></ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a><br><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| security information                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| security information                                                                                                                                                                                                                                                                                                                                                                 | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4) |

last modified:

12/16/2020 