

## Data sheet

6GT2090-0BD00

|                                 |                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type designation</b> | <b>M12, 8 pin, female, straight</b>                                                                                                                          |
| Product description             | Connector M12 (socket) with screw terminal and PG fitting<br>RF M12 CONNECTOR 8 PIN, FEMALE, STRAIGHT SCREW-TYPE<br>CONNECTION MINIMAL ORDER QUANTITY: 5 PCS |
| Suitability for use             | for Reader RF200, RF300, RF600, MV440                                                                                                                        |

### Interfaces

|                                                                                                |                                               |
|------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Number of electrical connections                                                               | 1                                             |
| <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul> |                                               |
| Type of electrical connection                                                                  | M12 connector (female insert, 8-pin, A-coded) |
| <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul> |                                               |

### Mechanical data

|                                                              |                 |
|--------------------------------------------------------------|-----------------|
| Material / of the enclosure                                  | plastic PA      |
| Locking mechanism design                                     | Screw           |
| Number of poles                                              | 8               |
| Tightening torque / for contacts / with screw-type terminals | 0.2 ... 0.2 N·m |
| Connector coding / of the M12 circular connector             | A               |

### Design, dimensions and weight

|                                     |                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of cable outlet                | 180° cable outlet                                                                                                                                                                                                      |
| Width                               | 20.2 mm                                                                                                                                                                                                                |
| Height                              | 20.2 mm                                                                                                                                                                                                                |
| Depth                               | 54 mm                                                                                                                                                                                                                  |
| Net weight                          | 30 g                                                                                                                                                                                                                   |
| Connectable cable cross-section     | 5.4 ... 8 mm                                                                                                                                                                                                           |
| Connectable conductor cross-section | <ul style="list-style-type: none"> <li>solid / minimum</li> <li>solid / maximum</li> <li>finely stranded / with core end processing / minimum</li> <li>finely stranded / with core end processing / maximum</li> </ul> |
|                                     |                                                                                                                                                                                                                        |
|                                     |                                                                                                                                                                                                                        |
|                                     |                                                                                                                                                                                                                        |
|                                     |                                                                                                                                                                                                                        |

### Permitted ambient conditions

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul> |
|                     |                                                                                                                      |
|                     |                                                                                                                      |
|                     |                                                                                                                      |
| Protection class IP | IP67                                                                                                                 |

## Standards, specifications, approvals

### Certificate of suitability

- UL approval

Yes

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX Download Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/67384964>

<http://www.siemens.com/ident/rfid>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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