SIEMENS

## Data sheet 3RX9801-0AA01



M12 branch for AS-Interface flat cable, with M12 socket, with lever

| | |
|---|---|
| **product brand name** | SIRIUS |
| **product category** | AS-Interface accessories |
| **product designation** | AS-i flat cable transition to M12 |
| **design of the product** | AS-i M12 branch, for AS-i flat cable, M12 socket, 2-pole, IP67, lever-type connection |
| **suitability for use** | can be used for AS-i flat cable (yellow) and AUX flat cable (black) connections |
| **General technical data** | |
| **number of sockets** | 1 |
| **operating voltage at DC rated value** | 60 V |
| **operating voltage at AC rated value** | 50 V |
| **operational current rated value** | 4 A |
| **number of poles** | 2 |
| **contact rating maximum** | 4 A |
| **operating resource protection class when installed** | 3 |
| **degree of pollution** | 3 |
| **overvoltage category** | III |
| **protection class IP** | IP67 |
| **Substance Prohibitance (day/month/year)** | 05/01/2012 |
| **Net Weight** | 0.017 kg |
| **material** | |
| ● of the flat cable contacts | bronze, tin-coated |
| ● of the enclosure | PA, glass-fiber reinforced, UL94-HB |
| ● of the threaded bushing | brass, nickel-plated |
| ● of the plug-in connectors | PA, glass-fiber reinforced, UL94-HB |
| ● of the plug-in connector seal | FKM |
| ● of the plug-in connector contacts | bronze, tin-coated |
| ● of packaging | LDPE |
| **Installation/ mounting/ dimensions** | |
| **mounting type** | screw mounting with fixing lugs |
| **height** | 30 mm |
| **width** | 22 mm |
| **length** | 50 mm |
| **Ambient conditions** | |
| installation altitude at height above sea level maximum | 2 000 m |
| **ambient temperature** | |
| ● during operation | -25 ... +75 °C |
| ● during storage | -25 ... +75 °C |
| **Connections/ Terminals** | |
| **type of electrical connection** | insulation piercing method for AS-Interface flat cable |


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| | |
|---|---|
| **design of the AS-Interface connection** | 1x M12 socket |
| **feeder type** | M12 socket, A-coding |
| **mounting type of the flat cable** | lever-type connection |
| **installation or assembly note** | flat cable end not permitted in the branch (without end cap) |
| **tightening torque at the M12 connection** | 0.4 ... 0.6 N·m |
| **contact assignment of the M12 connection for connecting an AS-i flat cable** | |
| ● at pin 1 | ASI+ |
| ● at pin 2 | not connected |
| ● at pin 3 | ASI- |
| ● at pin 4 | not connected |
| ● at pin 5 | not connected |
| **contact assignment of the M12 connection for connecting an AUX flat cable** | |
| ● at pin 1 | AUX+ |
| ● at pin 2 | not connected |
| ● at pin 3 | AUX- |
| ● at pin 4 | not connected |
| ● at pin 5 | not connected |

## UL/CSA ratings

| | |
|---|---|
| **operating voltage at DC according to UL rated value** | 42 V |
| operating voltage at AC according to UL rated value | 30 V |
| **operational current according to UL 508 rated value** | 4 A |
| **certificate of suitability UL approval** | Yes |
| **UL File Number (CCN)** | E44653 (NKCR) |

## Approvals Certificates

| Environment | General Product Approval | other |
|---|---|---|
| Environmental Confirmations | | Confirmation |

## other

## Further information

**Siemens is working on the renewal of the current EAC certificates.**
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Siemens has decided to exit the Russian market (see here).**
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

**Information on the packaging**
https://support.industry.siemens.com/cs/ww/en/view/109813875

**Information for data generation and storage**
https://support.industry.siemens.com/cs/ww/en/view/109995012

**Information- and Downloadcenter (Catalogs, Brochures,…)**
https://www.siemens.com/ic10

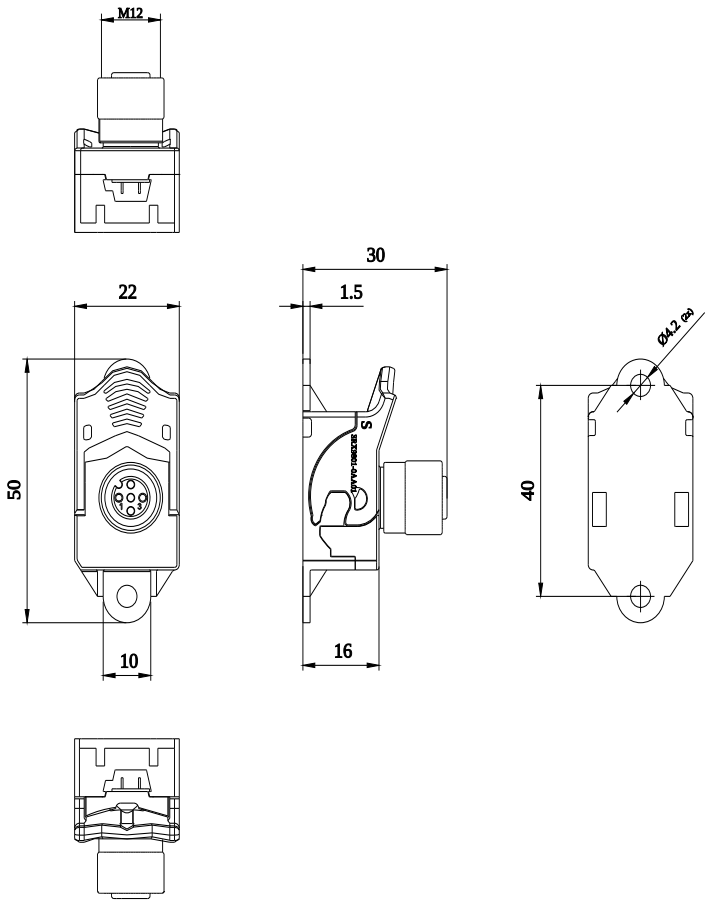
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9801-0AA01

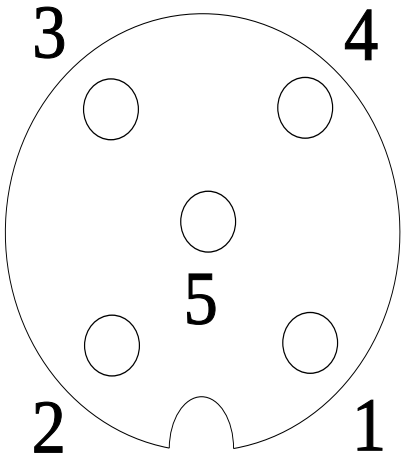
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9801-0AA01

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RX9801-0AA01

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9801-0AA01&lang=en


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## AS-i cable (yellow)

| | |
|---|---|
| 1 | ASI+ |
| 2 | |
| 3 | ASI- |
| 4 | |
| 5 | |

## AUX cable (black)

| | |
|---|---|
| 1 | AUX+ |
| 2 | |
| 3 | AUX- |
| 4 | |
| 5 | |

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