

M12 PLUG, PROFIBUS ANGLED, 5-POLE, B-CODED
SCREW CONNECTION NO INTEGRATED
TERMINATING RESISTOR



General technical data:

| | | |
|--------------------------------------|------------------|--------------------------------------------|
| Product description | | M12 plug, angled, 5-pole, B coded, screwed |
| Ampacity per pin maximum | A | 4 |
| Operating voltage maximum | V | 125 |
| Flow resistance maximum | $\Omega \cdot m$ | 3 |
| Surge voltage resistance Rated value | kV | 0.8 |

Mechanical data:

| | | |
|--------------------------------------------------------------------|-----------------|-----------------------------|
| Type of connection | | Screw terminals |
| Connector type | | Pin |
| Connector coding of the M12 circular connector | | B |
| Type of cable outlet | | angled |
| Number of poles | | 5 |
| Connectable conductor cross-section for flexible conductor maximum | mm ² | 0.75 |
| Diameter of feed through opening | mm | 6 ... 8 |
| Material | | |
| • of the contact | | Brass |
| • of contact coating | | Gold |
| • of connector fixed part | | Polyamide |
| • of the enclosure | | Zinc diecast, nickel-plated |
| Depth | mm | 20 |
| Height | mm | 54 |
| Width | mm | 43 |
| Type of strain relief | | Pressure screw, pinch ring |
| Mechanical service life (mating cycles) | | 100 |

| | |
|------------------------|----------------|
| Type of plug interlock | M12 x 1 thread |
|------------------------|----------------|

Ambient conditions:

| | | |
|--------------------------------------------------------------------|----|----------------------------------------------------------|
| Ambient temperature | | |
| <ul style="list-style-type: none"> during storage | °C | -25 ... +85 |
| <ul style="list-style-type: none"> during operation | °C | 85 ... -25 |
| Protection class IP | | IP67 |
| Chemical resistance | | |
| <ul style="list-style-type: none"> to mineral oil | | conditional, must be checked relative to the application |
| <ul style="list-style-type: none"> to water | | conditional, must be checked relative to the application |
| <ul style="list-style-type: none"> to grease | | conditional, must be checked relative to the application |
| Degree of pollution | | 3 |

Certificates/ approvals:

| | | |
|-------------------------------------------------------------------|--|-----|
| Certificate of suitability | | |
| <ul style="list-style-type: none"> CSA-approval | | No |
| <ul style="list-style-type: none"> RoHS conformity | | Yes |
| <ul style="list-style-type: none"> UL approval | | No |
| <ul style="list-style-type: none"> CCC | | No |
| <ul style="list-style-type: none"> IEC certificate | | No |
| <ul style="list-style-type: none"> cUL approval | | No |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK19021BA00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RK19021BA00/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK19021BA00&lang=en>

last modified:

09.03.2015