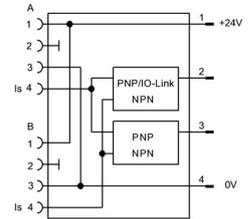


# Signal conditioner SCDN-2A-EC4-PNLK-L1

Part number: 8035556

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Type code                                  | SCDN  |
| Symbol                                     | 00995688  |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)  |
| CE marking (see declaration of conformity) | As per EU EMC directive<br>As per EU RoHS directive   |
| KC characters                              | KC EMC  |
| Certificate issuing authority              | UL E322346  |
| Note on materials                          | RoHS-compliant  |
| Measured variable                          | Current   |
| Signal range                               | 0 - 20 mA   |
| Ambient temperature                        | 0 °C ... 50 °C  |
| Typical sampling interval                  | 1 ms  |
| Accuracy in ± % FS                         | 0.5 %FS   |
| Repetition accuracy in ± %FS               | 0.2 %FS   |
| Switching output                           | 2 x PNP or 2 x NPN switchable   |
| Switching function                         | Freely programmable   |
| Switching element function                 | N/C contact/N/O contact switchable  |
| Max. output current                        | 100 mA  |
| Short-circuit protection                   | yes   |
| Protocol                                   | IO-Link®  |
| IO-Link®, protocol version                 | Device V 1.1  |
| IO-Link®, profile                          | Smart sensor profile  |
| IO-Link®, function classes                 | Binary data channel (BDC)<br>Process data variable (PDV)<br>Identification<br>Diagnostics<br>Teach channel  |
| IO-Link®, communication mode               | COM2 (38,4 kBd)   |
| IO-Link®, SIO mode support                 | Yes   |
| IO-Link®, port class                       | A   |
| IO-Link®, process data width OUT           | 0 Byte  |
| IO-Link®, process data width IN            | 5 Byte  |
| IO-Link®, process data content IN          | 14 bit PDV (InA measured value)<br>14 bit PDV (InB measured value)<br>2 bit BDC (measured value monitoring) |

| Feature   | Value   |
|---|---|
| IO-Link®, minimum cycle time                          | 5 ms  |
| IO-Link®, data memory required                        | 500 byte  |
| DC operating voltage range                            | 15 V ... 30 V                                       |
| Reverse polarity protection                           | for all electrical connections                      |
| Electrical connection 1, connection type              | Plug  |
| Electrical connection 1, connection technology        | Connection diagram L1J                              |
| Electrical connection 1, number of pins/wires         | 4   |
| Electrical connection for input 1, connection pattern | 00995428  |
| Electrical connection 2, connection type              | 2x socket   |
| Electrical connection 2, connection technology        | Connection diagram EC                               |
| Electrical connection 2, number of pins/wires         | 4   |
| Electrical connection 2, connection pattern           | 00995750  |
| Type of mounting                                      | Front panel mounting<br>With wall/surface bracket   |
| Product weight  | 23 g  |
| Housing material                                      | PA-reinforced                                       |
| Display type  | Illuminated LCD, multi-color                        |
| Setting options                                       | IO-Link®<br>Teach-in<br>Via display and pushbuttons |
| Protection against tampering                          | IO-Link®<br>PIN code                                |
| Degree of protection                                  | IP40  |
| Corrosion resistance class (CRC)                      | 2 - Moderate corrosion stress                       |