



AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DI-Y AUX 3DO-Y



| Application                                     |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Application                                     | field installation                                        |
| Electrical data                                 |                                                           |
| Operating voltage [V]                           | 26.5...31.6 DC; ("supply class 2" to cULus)               |
| Max. current consumption from AS-i [mA]         | 30                                                        |
| Max. current load total [A]                     | 3                                                         |
| Integrated watchdog                             | yes                                                       |
| Inputs / outputs                                |                                                           |
| Number of inputs and outputs                    | Number of digital inputs: 4; Number of digital outputs: 3 |
| Inputs                                          |                                                           |
| Number of digital inputs                        | 4                                                         |
| Input circuit of digital inputs                 | PNP                                                       |
| Sensor supply of the inputs                     | AUX                                                       |
| Power supply [V]                                | 20...30; (via flat cable)                                 |
| Max. total current rating of inputs [mA]        | 1000                                                      |
| Input current High [mA]                         | 6...10                                                    |
| Input current Low [mA]                          | 0...2                                                     |
| Switching level high [V]                        | > 11                                                      |
| Digital inputs protected against short circuits | yes                                                       |



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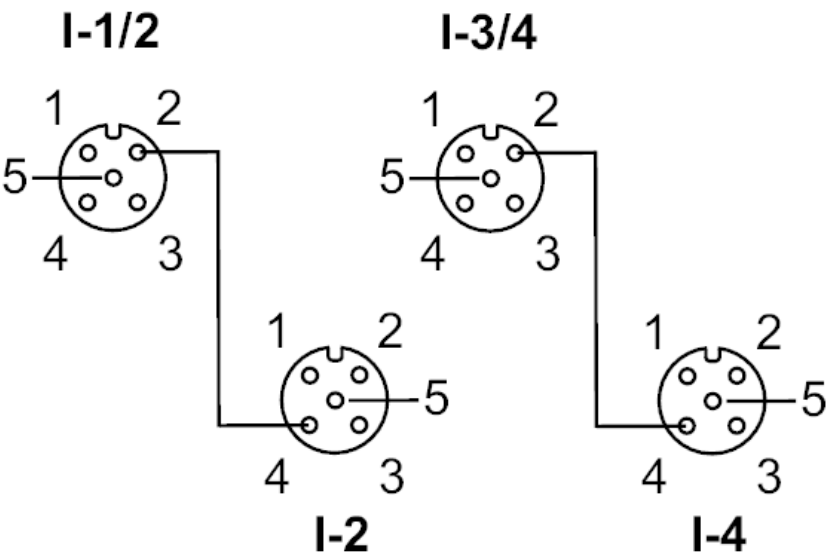
| Outputs                           |                                                                                      |                             |           |                              |           |             |
|-----------------------------------|--------------------------------------------------------------------------------------|-----------------------------|-----------|------------------------------|-----------|-------------|
| Number of digital outputs         | 3                                                                                    |                             |           |                              |           |             |
| Circuit                           | PNP                                                                                  |                             |           |                              |           |             |
| Voltage range DC [V]              | 20...30; (to PELV; via flat cable)                                                   |                             |           |                              |           |             |
| Max. current load per output [mA] | 1000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) |                             |           |                              |           |             |
| Short-circuit proof               | yes                                                                                  |                             |           |                              |           |             |
| Electrically separated            | yes                                                                                  |                             |           |                              |           |             |
| Actuator supply outputs           | AUX                                                                                  |                             |           |                              |           |             |
| Operating conditions              |                                                                                      |                             |           |                              |           |             |
| Ambient temperature [°C]          | -25...70                                                                             |                             |           |                              |           |             |
| Protection                        | IP 67                                                                                |                             |           |                              |           |             |
| Tests / approvals                 |                                                                                      |                             |           |                              |           |             |
| EMC                               | EN 50295                                                                             |                             |           |                              |           |             |
|                                   | IEC 61000-6-2                                                                        |                             |           |                              |           |             |
| MTTF [years]                      | 166                                                                                  |                             |           |                              |           |             |
| AS-i classification               |                                                                                      |                             |           |                              |           |             |
| AS-i version                      | 2.11; 3.0                                                                            |                             |           |                              |           |             |
| AS-i addressing                   | addressing socket                                                                    |                             |           |                              |           |             |
| Extended addressing mode          | yes                                                                                  |                             |           |                              |           |             |
| AS-i master profile               | M2; M3; M4                                                                           |                             |           |                              |           |             |
| AS-i profile                      | S-7.A.E                                                                              |                             |           |                              |           |             |
| AS-i I/O configuration [hex]      | 7                                                                                    |                             |           |                              |           |             |
| AS-i ID code [hex]                | A.E                                                                                  |                             |           |                              |           |             |
| Assignment of the data bits       | data bit                                                                             | D0                          | D1        | D2                           | D3        |             |
|                                   | input                                                                                | 1                           | 2         | 3                            | 4         |             |
|                                   | socket                                                                               | I-1/2                       | I-1/2 I-2 | I-3/4                        | I-3/4 I-4 |             |
|                                   | pin                                                                                  | 4                           | 2 4       | 4                            | 2 4       |             |
|                                   | Output                                                                               | 1                           | 2         | 3                            | 4         |             |
|                                   | socket                                                                               | O-1/2                       | O-1/2 O2  | O-3                          | -         |             |
|                                   | pin                                                                                  | 4                           | 2 4       | 4                            | -         |             |
| Assignment of the parameter bits  | parameter bit                                                                        | Designation                 |           |                              |           |             |
|                                   | P0                                                                                   | not used                    |           |                              |           |             |
|                                   | P1                                                                                   | peripheral fault indication | : 1       | activated                    | * / 0     | deactivated |
|                                   | P2                                                                                   | not used                    |           |                              |           |             |
|                                   | P3                                                                                   | not used                    |           |                              |           |             |
|                                   |                                                                                      |                             |           |                              |           |             |
| Mechanical data                   |                                                                                      |                             |           |                              |           |             |
| Weight [g]                        | 289.5                                                                                |                             |           |                              |           |             |
| Type of mounting                  | AS-i flat cables directly connectable                                                |                             |           |                              |           |             |
| Materials                         | PA; piercing contacts: CuSn6 nickel-plated and tin-plated                            |                             |           |                              |           |             |
| Displays / operating elements     |                                                                                      |                             |           |                              |           |             |
| Display                           | operation                                                                            |                             |           | LED, green Voltage AUX > 7 V |           |             |
|                                   | errors                                                                               |                             |           | LED, red AUX 15 V ± 2 V      |           |             |
|                                   | function                                                                             |                             |           | LED, yellow                  |           |             |



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| Electrical connection                                                        |                             |
|------------------------------------------------------------------------------|-----------------------------|
| Module connection                                                            | Flat cables                 |
| Accessories                                                                  |                             |
| Items supplied                                                               | lower part                  |
| Accessories (optional)                                                       | Protective cap: M12, E73004 |
| Remarks                                                                      |                             |
| Pack quantity                                                                | 1 pcs.                      |
| Electrical connection                                                        |                             |
| quick mounting technology for AS-i flat cable: ; three orientations possible |                             |
| Electrical connection - Inputs                                               |                             |
| Connection                                                                   |                             |





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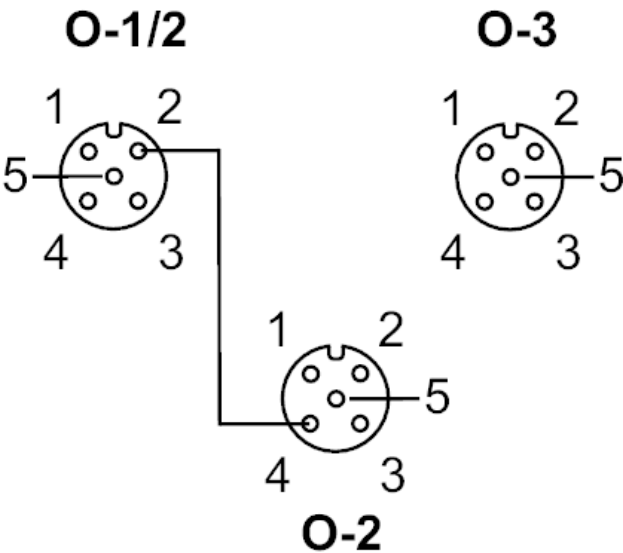
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Connector: M12

|   |                  |
|---|------------------|
|   | Inputs           |
|   | socket I-1/2     |
| 1 | Sensor supply L+ |
| 2 | data input 2     |
| 3 | Sensor supply L- |
| 4 | data input 1     |
| 5 | not used         |
|   | socket I-2       |
| 1 | Sensor supply L+ |
| 2 | not used         |
| 3 | Sensor supply L- |
| 4 | data input 2     |
| 5 | not used         |
|   | socket I-3/4     |
| 1 | power supply L+  |
| 2 | data input 4     |
| 3 | Sensor supply L- |
| 4 | data input 3     |
| 5 | not used         |
|   | socket I-4       |
| 1 | Sensor supply L+ |
| 2 | not used         |
| 3 | Sensor supply L- |
| 4 | data input 4     |
| 5 | not used         |

Electrical connection - Outputs

Connection





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Connector: M12

| Outputs      |                        |
|--------------|------------------------|
| socket O-1/2 |                        |
| 1            | not used               |
| 2            | switching output 2     |
| 3            | external voltage AUX - |
| 4            | switching output 1     |
| 5            | not used               |
| socket O-2   |                        |
| 1            | not used               |
| 2            | not used               |
| 3            | external voltage AUX - |
| 4            | switching output 2     |
| 5            | not used               |
| socket O-3   |                        |
| 1            | not used               |
| 2            | not used               |
| 3            | external voltage AUX - |
| 4            | switching output 3     |
| 5            | not used               |