




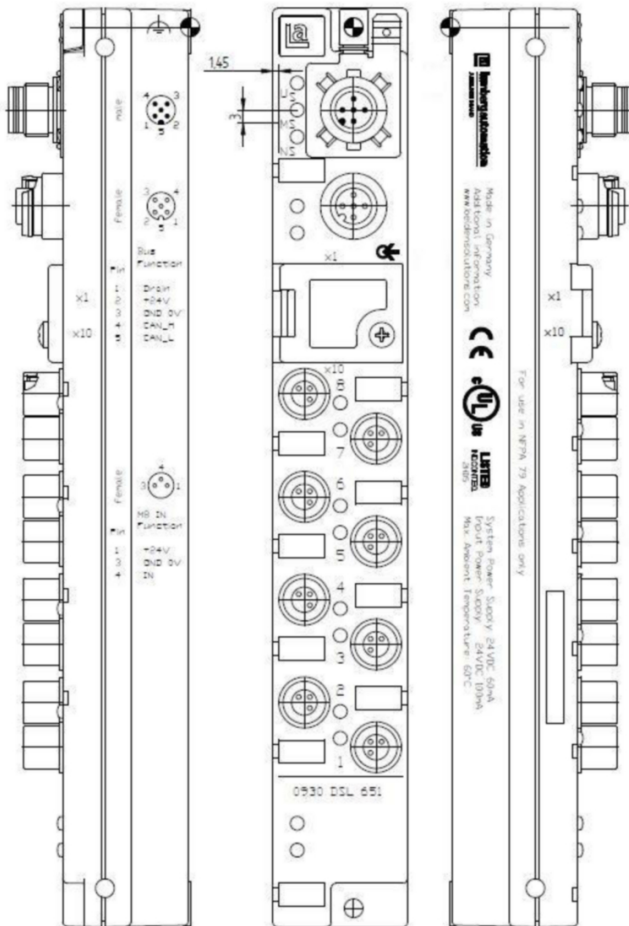
Product: [0930 DSL 651](#) 

LioN-S, DeviceNet I/O Device, 8DI (8x M8), M12 A-coded Power Supply, Plastic, 30 mm

Product Description

LioN-S M8-30, Plastic, DeviceNet, M12 Bus Connector, A-coded, 8 DI, M8 3-pole

Technical Drawing



Technical Specifications

Product Description

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|---------------------|----------------------------------|
| Brand: | Belden |
| Product Family: | I/O Systems: Active - Standalone |
| Product Sub Family: | LioN-S |
| Item Description: | 0930 DSL 651 |

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|-----------------------------------|-----------------------|
| Part Number: | 75854 |
| Device Type: | I/O Module |
| Protocol: | DeviceNet |
| I/O Function: | 8DI |
| Bus Connection: | M12, 5-poles, A-coded |
| Power Connection (System Supply): | M12, 5-poles, A-coded |
| I/O Connection: | M8, 3-poles, A-coded |
| I/O Type: | Digital Input |

General Data

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|--|---|
| Housing Material: | PBT + ASA |
| Housing Color: | Black |
| Protection Degree / IP Rating**: | IP67 |
| Potted: | No |
| Dimensions (W x H x D): | 30 mm x 40 mm x 205 mm |
| Weight: | 200 g |
| Ambient Temperature (Operation)*: | -10 °C to 60 °C |
| Vibration Resistance: | 15 g / 5 -500 Hz |
| Shock Resistance: | 50 g / 11ms |
| Mounting: | 2 hole screw mounting. Use standard M4 x 25 / 30 / 40 (lateral) screws with toothed lock washer (as per DIN 125) and self-locking nuts. |
| Fastening Torque (Fixing Screw): | M4: 1 Nm |
| Fastening Torque (Ground Connection (FE)): | M4: 1 Nm |
| Fastening Torque (Bus Connection): | M12: 0.5 Nm |
| Fastening Torque (Power Connection): | M12: 0.5 Nm |
| Fastening Torque (I/O Connection): | M8: 0.3 Nm |
| Included in Delivery: | Attachable Labels: 10x, Sealing Caps: 2x M8 |

DeviceNet

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| Connection: | M12, 5-poles, A-coded |
| Number of Connections: | 2 |
| Transmission Rate: | 125 kbps ... 500 kbps |
| Transmission Rate Adjustment: | Automatic |
| Addressing via Rotary Address Switches: | 0 ...63 dec |
| Addressing via DeviceNet: | 99 dec |
| Product Code: | 27 |

Power Supply

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| Connection Module Supply Voltage: | M12, 5-poles, A-coded |
| Number of Connections: | 2 |
| Current Carrying Capacity of Connector: | max. 4 A |
| Module Supply Voltage (Nominal): | 24 V DC (SELV/PELV) |
| Module Supply Voltage (Range): | 19 V DC to 30 V DC |
| Current Consumption (typ.): | 65 mA (at 24 V DC) |
| Reverse Polarity Protection: | Yes |
| Status Indicator (System Supply): | LED green |
| Diagnostic Indicator: | No |
| Connection Sensor Supply Voltage: | via Module Supply Connection |
| Current Carrying Capacity of Connector: | max. 4 A |
| Sensor Supply Voltage (Nominal): | 24 V DC (SELV/PELV) |
| Sensor Supply Voltage (Range): | 19 V DC to 30 V DC |
| Reverse Polarity Protection: | Yes |
| Status Indicator (Sensor Supply): | LED green |
| Diagnostic Indicator: | No |

Digital Input Channels

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|-----------------------------------|----------------------|
| Number of Digital Input Channels: | max. 8, fixed |
| Connection: | M8, 3-poles, A-coded |

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|---------------------------------|---|
| Number of Ports: | 8x, 1 to 8 |
| Channel Type: | Type 3 acc. to IEC 61131-2 |
| Input Wiring: | 2-, 3-wire |
| Nominal Voltage: | 24 V DC via US (module power supply) |
| Nominal Current: | typ. 5 mA |
| Sensor Current Supply: | max. 100 mA per port (at 30°C) |
| Sensor Type: | PNP |
| Input Voltage Range "0" signal: | -3 V DC ...+5 V DC |
| Input Voltage Range "1" signal: | 11 V DC ... 30 V DC |
| Input Filter Time: | 1 ms, fixed |
| Protective Circuit: | Electronically: Overload protection, short-circuit protection |
| Status Indicator (Inputs): | LED yellow per channel |
| Diagnostic Indicator: | LED red per port |

Electrical Isolation

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| US (System Supply Voltage) / FE: | 500 V DC |
| Bus connection / FE: | 500 V DC |

EMC Conformance

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| EMC Directive: | 2014/30/EU |
| EN 61000-4-2 Electrostatic Discharge (ESD): | Criterion B; 4 kV contact discharge, 8 kV air discharge |
| EN 61000-4-3 Electromagnetic Field: | Criterion A; Field intensity: 10 V/m |
| EN 61000-4-4 Fast Transients (Burst): | Criterion B, 2 kV |
| EN 61000-4-5 Surge Voltage: | Criterion B; DC supply lines: ± 0.5 kV/ ± 0.5 kV (symmetrical/asymmetrical); For I/O ports with cables ≤ 30 m |
| EN 61000-4-6 Conducted immunity: | Criterion A; Test voltage 10 V |
| EN 55022 Radio Interference Properties: | Class A |

Safety & Environmental Compliance

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|-----------------|-----|
| CE: | Yes |
| RoHS Compliant: | Yes |

Approvals

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| UL: | cULus Listed, UL 508 |
| UL-File: | E230848 |

Notes

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| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| System Power Supply Connection Note: | *do not connect / disconnect under voltage! |
| Update and Revision: | Revision Number: 0.59 Revision Date: 05-24-2023 |

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