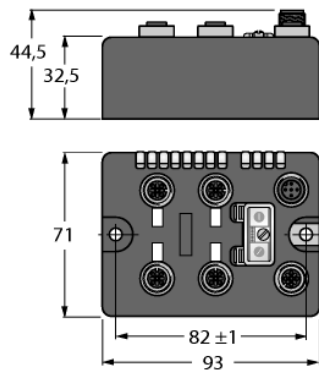


BL compact veldbusstation voor DeviceNet
8 Digital PNP Inputs
BLCDN-4M12S-8DI-PD


- On-Machine™ compacte veldbus I/O-blocks
- DeviceNet™ slave
- 125/250/500 kbps
- Two 5-pin M12 male receptacles for fieldbus connection
- 2 rotary coding switches for node-address
- IP 69K
- M12 I/O ports
- LEDs indicating status and diagnostics
- Electronics galvanically isolated from the field level via optocouplers
- 8 Digital PNP Inputs, 24 VDC
- Channel diagnostics
- Wire-break monitoring
- Adjustable filter times (input delay)
- Input inverting possible

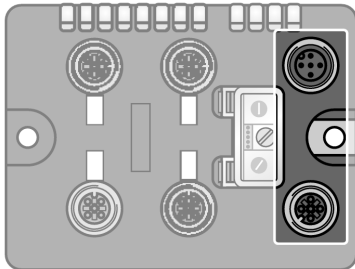
Type	BLCDN-4M12S-8DI-PD
Ident no.	6811005
Nominale systeemspanning	24 VDC
Systeemvoeding	Via DeviceNet
Toegelaten bereik V+	11...30 VDC
Nominale stroom V+	130 mA
Max. stroom V+	4 A
Transmissiesnelheid veldbus	125/250/500 Kbit/s
Instelling transmissiesnelheid	automatische herkenning
Adresbereik veldbus	0...63
	64...80 (MACID-programmeerbaar)
	81...99 (fabrikant specifiek)
Adressering veldbus	2 dec. Rotary coding switches
Aansluittechniek veldbus	2 × M12
	5-pin
Veldbusafsluiting	External
Service-interface	RS232 interface
Verkoper ID	48
Producttype	12
Productcode	11005
Digitale ingangen	
Ingangstype	PNP
Type ingangsdiaagnose	Kanaaldiagnose
Sensorvoeding (V _{SENS})	24 VDC, 100 mA short-circuit limiting
Signaalspanning Low Level	< 4,5 VDC
Signaalspanning High Level	7 ... 30 VDC
Signaalstroom Low Level	< 1,5 mA
Signaalstroom High Level	2,1 ... 3,7 mA
Ingangsvertraging	0,25 of 2,5 (configureerbaar) ms

BL compact veldbusstation voor DeviceNet
8 Digital PNP Inputs
BLCDN-4M12S-8DI-PD

Afmetingen	93 x 71 x 32.5 mm
Montage	2 × 5,4 mm diameter opening, 1,7 Nm draaimoment
Gewicht	320 ± 20 g
Behuizingsmateriaal	Glass fiber reinforced nylon, nickel-plated connector
Behuizingskleur	zwart
Materiaal schroef	Vernikkelde messing
Materiaal label	Polyester met bekleding uit polycarbonaat
Materiaal etiket aarding	Nickel-plated brass
Beschermingsgraad	IP67 IP69K
Omgevingstemperatuur	-40...+70 °C
Opslagtemperatuur	-40...+85 °C
Relatieve vochtigheid	15 to 95% (non-condensing)
Vibratietest	Volgens IEC 61131-2
- tot 20 g (bij 10 tot 150 Hz)	For mounting on base plate or machinery
Schoktest	overeenkomstig IEC 61131-2
Elektromagnetische compatibiliteit	Volgens IEC 61131-2
Goedkeuringen en certificaten	CE, cULus

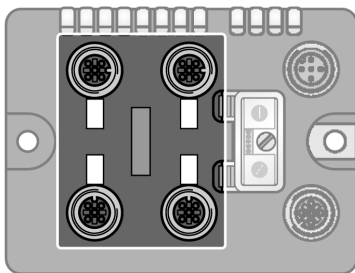
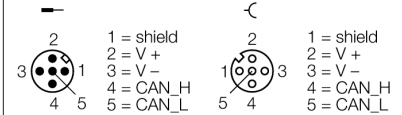
BL compact veldbusstation voor DeviceNet
8 Digital PNP Inputs
BLCDN-4M12S-8DI-PD

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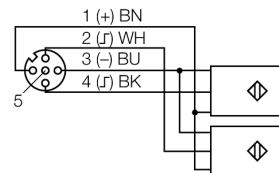
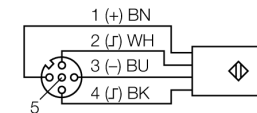
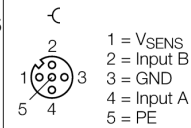
DeviceNet
veldbuskabel (voorbeeld): RSC RKC 572-2M Ident-No. U0323 of
RSC-RKC572-2M Ident-No. 6603629

pinconfiguratie

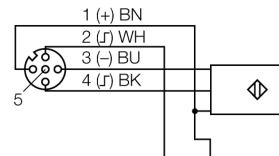


Digitale ingangen
verbindingskabel (voorbeeld): RK 4.4T-2-RS 4.4T Ident-No. U2445
of RKC4.4T-2-RSC4.4T/TEL Ident-No. 6625208

pinconfiguratie



Aansluitschema draadbreukbewaking



Status: Station LED

LED	Color	Status	Description
IO's		UIT	Geen spanningsvoeding
	ROOD	AAN	spanningsvoeding onvoldoende
	ROOD	KNIPPEREND (1 Hz)	afwijkende stationsconfiguratie
	ROOD	KNIPPEREND (4 Hz)	geen modulebuscommunicatie
	GROEN	AAN	station OK
	GROEN	KNIPPEREND	Force Mode actief
MNS		OFF	No connection
	GREEN	ON	Fieldbus communication active
	GREEN	FLASHING (1Hz)	Fieldbus communication disabled, device status OK
	RED	ON	Double MAC-ID
	RED	FLASHING	Fieldbus communication timeout
IO	GREEN	ON	I/O slots OK
	GREEN	FLASHING (1Hz)	At least one I/O slot in idle state
	RED	ON	At least one faulty I/O slot
	RED	FLASHING	At least one I/O slot in faulty state

Status: I/O LED

LED	Color	Status	Description
D *		UIT	Geen diagnose actief
	ROOD	AAN	stations / modulebus communicatiefout
	ROOD	KNIPPEREND (0.5Hz)	gemeenschappelijke diagnose
DI channels 0...7		OFF	Status channel x = 0 (OFF), diagnostic disabled
	GREEN	ON	Status input x = 1 (ON)
	RED	ON	Wire-break monitoring active (LEDs 0 ... 3)
	RED	FLASHING (2 Hz)	Overload sensor supply

* De „D“ LED signaleert ook de Gateway diagnose

BL compact veldbusstation voor DeviceNet
8 Digital PNP Inputs
BLCDN-4M12S-8DI-PD**Mapping of I/O and Diagnostic Data**

INPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	DI 1 ₇	DI 1 ₆	DI 1 ₅	DI 1 ₄	DI 1 ₃	DI 1 ₂	DI 1 ₁	DI 1 ₀
	1	-	-	-	-	-	-	-	-
Diagnose	2	Modulnummer meldet Diagnose Daten							
	3	Austauschsta- tion	-	Diagnose ak- tiv	-	-	-	-	-
Steckplatz 1 (ref. Byte 2)	4	-	-	-	-	Überstrom DI 1 ₃ / DI 1 ₇	Überstrom DI 1 ₂ / DI 1 ₆	Überstrom DI 1 ₁ / DI 1 ₅	Überstrom DI 1 ₀ / DI 1 ₄
	5	-	-	-	-	Offener Stromkreis DI 1 ₃ / DI 1 ₇	Offener Stromkreis DI 1 ₂ / DI 1 ₆	Offener Stromkreis DI 1 ₁ / DI 1 ₅	Offener Stromkreis DI 1 ₀ / DI 1 ₄