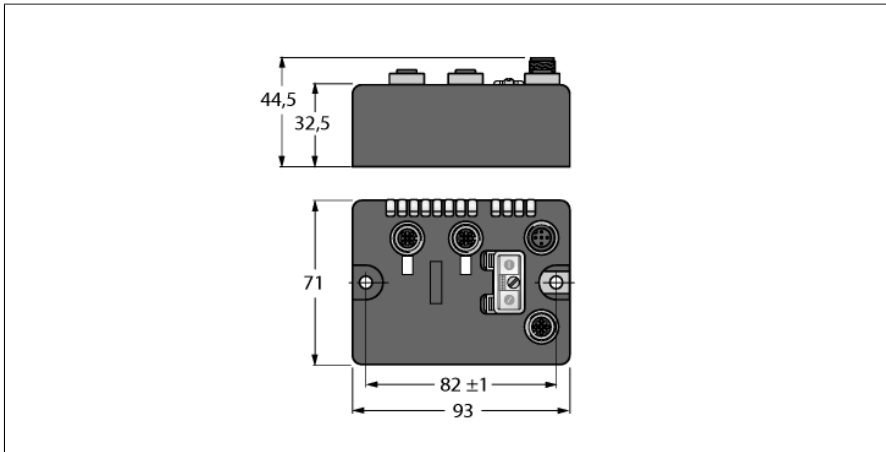


# BL compact veldbusstation voor DeviceNet Interface for Connection of 2 BL ident® Read/Write Heads (HF/ UHF) BLCDN-2M12S-2RFID-S

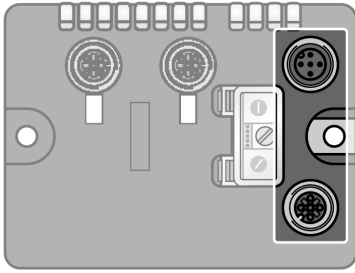


Type	BLCDN-2M12S-2RFID-S
Identnr.	6811002
Nominale systeemspanning	24 VDC
Systeemvoeding	Via DeviceNet
Toegelaten bereik V+	18...30 VDC
Nominale stroom V+	55 mA
Max. stroom V+	4 A
Transmissiesnelheid veldbus	125/250/500 Kbit/s
Instelling transmissiesnelheid	automatische herkenning
Adresbereik veldbus	0...63 64...80 (MacID programmeerbaar) 81...99 (fabrikantspecifiek)
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	11002
Technologie	
Signaaltype	Simple RFID interface
Aantal kanalen	2
Sensorvoeding	0.5 A per channel, short-circuit proof
Gelijktijdigheidsfactor	1
Transmissiesnelheid	115.2 kbps
Kabellengte	50 m
Potentiaalscheiding	Electronics and field level isolated via optocouplers

- On-Machine™ compacte veldbus I/O-blocks
- DeviceNet™ slave
- 125/250/500 kbps
- Two 5-pin M12 male receptacles for field-bus 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
- Simple RFID interface
- Connection of 2 BL ident read/write heads
- Max. cable length 50 m

Afmetingen	93 x 71 x 32.5 mm
Montage	2 x 5,4 mm diameter opening, 1,7 Nm draaimoment
Gewicht	290 ± 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...95 %, niet condenserend
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

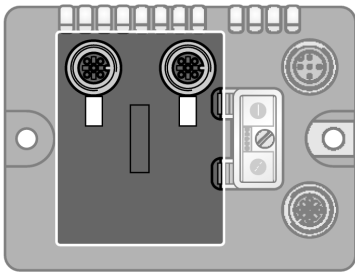
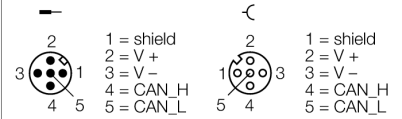
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**DeviceNet**

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

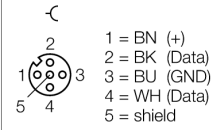
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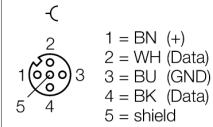
**RFID Channels**

verbindingskabel (voorbeeld): RK 4.5T-2-RS 4.5T/S2501 Ident-No. U3-01243 of RK4.5T-2-RS4.5T/S2500 Ident-No. 6699200

Connector .../S2500



connector .../S2501



**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
RW0 / RW1		OFF	No tag, diagnostic disabled
	GREEN	ON	Tag available
	GREEN	FLASHING (2 Hz)	Data exchange with tag enabled
	RED	ON	Read/write head fault
	RED	FLASHING (2 Hz)	Short-circuit in the supply line of read/write head

\* De „D“ LED signaleert ook de Gateway diagnose

**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
RFID 1 <sub>0</sub>	0	Done	Busy	Error	Trans. Conn.	Trans. On	TP	TFR	-
	1	Error Cat. (Category Code)							
	2	Error Desc. (Description Code)							
	3	-	-	-	-	-	-	-	-
	4...11	Read Data (8 Byte)							
RFID 1 <sub>1</sub>	12	Done	Busy	Error	Trans. Conn.	Trans. On	TP	TFR	-
	13	Error Cat. (Category Code)							
	14	Error Desc. (Description Code)							
	15	-	-	-	-	-	-	-	-
	16...23	Read Data (8 Byte)							
Diagnose	24	Modulnummer meldet Diagnose Daten							
	25	Austauschstation	-	Diagnose aktiv	-	-	-	-	-
Steckplatz 1 (ref. Byte 24)	26	-	-	-	-	-	RFID 1 <sub>0</sub> Trans. PS Off	-	-
	27	-	-	-	-	RFID 1 <sub>0</sub> Trans. PS Error	-	-	RFID 1 <sub>0</sub> Trans. Hardware-Fehler
	28	-	-	-	-	-	RFID 1 <sub>1</sub> Trans. PS Off	-	-
	29	-	-	-	-	RFID 1 <sub>1</sub> Trans. PS Error	-	-	RFID 1 <sub>1</sub> Trans. Hardware-Fehler
<b>OUTPUT</b>	<b>BYTE</b>	<b>Bit 7</b>	<b>Bit 6</b>	<b>Bit 5</b>	<b>Bit 4</b>	<b>Bit 3</b>	<b>Bit 2</b>	<b>Bit 1</b>	<b>Bit 0</b>
RFID 1 <sub>0</sub>	0	Transceiver	Next	Tag ID	Read	Write	Tag Info.	Trans. Info.	Reset
	1	-	-	-	-	-	Byte Count 2	Byte count 1	Byte count 0
	2	Address High Byte (MSB)							
	3	Address Low Byte (LSB)							
	4...11	Write Data (8 Byte)							
RFID 1 <sub>1</sub>	12	Transceiver	Next	Tag ID	Read	Write	Tag Info.	Trans. Info.	Reset
	13	-	-	-	-	-	Byte Count 2	Byte count 1	Byte count 0
	14	Address High Byte (MSB)							
	15	Address Low Byte (LSB)							
	16...23	Write Data (8 Byte)							