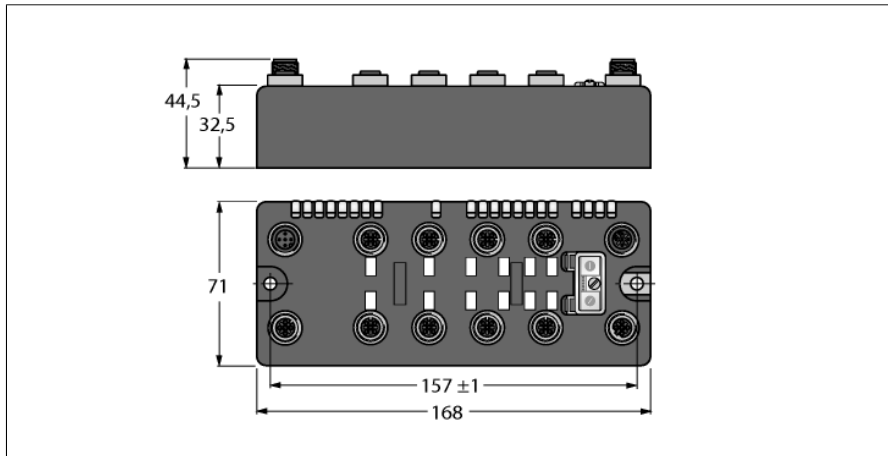


BL compact veldbus station voor CANopen

16 Configurable Digital Channels

BLCCO-8M12LT-8XSG-P-8XSG-P



- On-Machine™ compacte veldbus I/O-blocks
- CANopen slave
- 10, 20, 50, 125, 250, 500, 800, or 1000 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
- 16 digital PNP channels, 24 VDC
- Max. 0.5 A per channel
- Adjustable filter times (input delay)
- Input inverting possible

Type	BLCCO-8M12LT-8XSG-P-8XSG-P
Ident no.	6811316
Nominale systeemspanning	24 VDC
Systeemvoeding	via veldbus en hulpspanning
Aansluittechniek - spanningsvoeding	2 x M12, 4-polig
Nominale stroom V+	30 mA
Max. stroom V+	4 A
Toegelaten bereik Vi	18...30 VDC
Nominale stroom Vi	200 mA
Max. stroom Vi	2 A
Toegelaten bereik Vo	18...30 VDC
Nominale stroom Vo	200 mA
Max. stroom Vo	4 A
Potentiaalscheiding	The 8XSG I/O cards have a common reference potential for operating and load voltage due to their freely selectable digital channels. Subsequently, all voltage sources (Vi, Vo, V+) present on this device must be concurrently connected to suitable power supplies.
Transmissiesnelheid veldbus	10 Kbit/s...1 Mbit/s
Instelling transmissiesnelheid	automatische herkenning
Adresbereik veldbus	1...99
Adressering veldbus	2 dec. Rotary coding switches
Aansluittechniek veldbus	2 x M12
	5-pin
Veldbusafsluiting	External
Service-interface	RS232 interface
Digitale ingangen	
Ingangstype	PNP
Type ingangsdiaagnose	Groepdiagnose
Sensorvoeding (V _{SENS})	24 VDC from supply voltage
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

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16 Configurable Digital Channels
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Digitale uitgangen

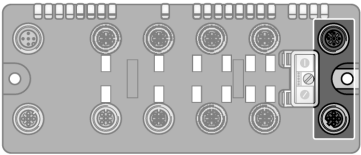
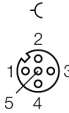
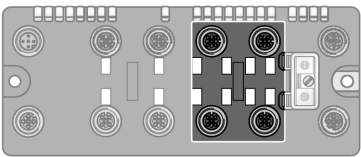
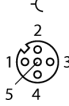
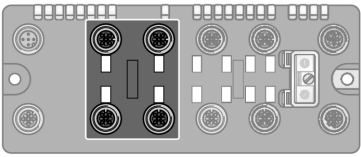
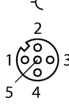
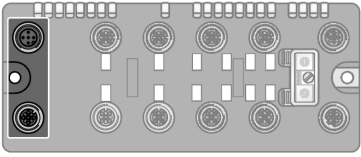
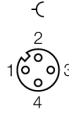
Uitgang	PNP
Sensorvoeding (V_{SENS})	24 VDC from supply voltage
Uitgangsstroom per kanaal	0.5 A
Uitgangsspanning	24 VDC uit voedingsspanning
Uitgangsvertraging	3 ms
Belastingstype	Resistive, inductive, lamp load
Lastweerstand ohmsch	> 48 Ω
Lastweerstand inductief	< 1.2 H
Lampbelasting	< 3 W
Schakelfrequentie ohmsch	< 200 Hz
Schakelfrequentie inductief	< 2 Hz
Schakelfrequentie lampbelasting	< 20 Hz
Kortsluitbeveiliging	Ja

Afmetingen

Montage	168 x 71 x 32.5 mm
Gewicht	2 x 5,4 mm diameter opening, 1,7 Nm draaimoment
Behuizingsmateriaal	620 $\pm$ 20 g
Behuizingskleur	Glass fiber reinforced nylon, nickel-plated connector
Materiaal schroef	zwart
Materiaal label	Vernikkelde messing
Materiaal etiket aarding	Polyester met bekleding uit polycarbonaat
Beschermingsgraad	Nickel-plated brass
	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 veldbus station voor CANopen
16 Configurable Digital Channels
BLCCO-8M12LT-8XSG-P-8XSG-P

0

	CANopen veldbuskabel (voorbeeld): RSC RKC 572-2M Ident-No. U0323 of RSC-RKC572-2M Ident-No. 6603629	pinconfiguratie  1 = shield 2 = V + 3 = V - 4 = CAN_H 5 = CAN_L  1 = shield 2 = V + 3 = V - 4 = CAN_H 5 = CAN_L
	slot 1: digitale in- en uitgangen verbindingkabel (voorbeeld): RK 4.4T-2-RS 4.4T Ident-No. U2445 of RKC4.4T-2-RSC4.4T/TEL Ident-No. 6625208	pinconfiguratie  1 = VSENS 2 = Signal B 3 = GND 4 = Signal A 5 = PE
	slot 2: digitale in- en uitgangen Zie steekplaats 1	pinconfiguratie  1 = VSENS 2 = Signal B 3 = GND 4 = Signal A 5 = PE
	Hulpenergie verbindingkabel (voorbeeld): RKC 4.4T-2-RSC 4.4T Ident-No. U5264 of RKC4.4T-2-RSC4.4T/TEL Ident-No. 6625208	pinconfiguratie  1 = Vi 2 = Vo 3 = GND 4 = GND  1 = shield 2 = V + 3 = V - 4 = CAN_H 5 = CAN_L

BL compact veldbus station voor CANopen
16 Configurable Digital Channels
BLCCO-8M12LT-8XSG-P-8XSG-P**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
ERR	-	OFF	Normal operating mode
	RED	ON	CAN communication interrupted
BUS	GREEN	ON	NMT slave status operational
	ORANGE	ON	NMT slave status pre-operational
	RED	ON	NMT slave status stopped
ERR & BUS	ROOD	KNIPPEREND (4 Hz)	ongeldige node-ID ingesteld

Status: I/O LED, slot 1

LED	Color	Status	Description
D1 *		UIT	Geen diagnose actief
	ROOD	AAN	stations / modulebus communicatiefout
	ROOD	KNIPPEREND (0.5Hz)	gemeenschappelijke diagnose
XSG Kanäle 1 ₀ ...1 ₇		OFF	Status channel x = 0 (OFF), diagnostic disabled
	GREEN	ON	Status channel x = 1 (ON)
	RED	ON	Short-circuit at output

* De „D1“ LED signaleert ook de Gateway diagnose

I/O LED Status Slot 2

LED	Colour	Status	Description
D2 *		UIT	Geen diagnose actief
	ROOD	AAN	stations / modulebus communicatiefout
	ROOD	KNIPPEREND (0.5Hz)	gemeenschappelijke diagnose
XSG channels 2 ₀ ...2 ₇		OFF	Channel status x = "0" (OFF), no diagnostics active
	GREEN	ON	Channel status x = "1" (ON)
	RED	ON	Short-circuit at output

* De „D2“ LED signaleert ook de Gateway diagnose

BL compact veldbus station voor CANopen
16 Configurable Digital Channels
BLCCO-8M12LT-8XSG-P-8XSG-P**I/O Data Map**

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	DI 2 ₇	DI 2 ₆	DI 2 ₅	DI 2 ₄	DI 2 ₃	DI 2 ₂	DI 2 ₁	DI 2 ₀
OUTPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	DO 1 ₇	DO 1 ₆	DO 1 ₅	DO 1 ₄	DO 1 ₃	DO 1 ₂	DO 1 ₁	DO 1 ₀
	1	DO 2 ₇	DO 2 ₆	DO 2 ₅	DO 2 ₄	DO 2 ₃	DO 2 ₂	DO 2 ₁	DO 2 ₀