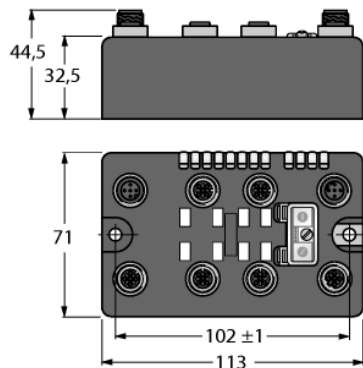


BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI

- On-Machine™ compacte veldbus I/O-blocks
- PROFIBUS-DP slave
- 9.6 kbps ... 12 Mbps
- Two 5-pin, reverse-keyed M12 male receptacles for fieldbus connection
- 2 rotary coding switches for node-address
- IP 69K
- All exposed parts are made from stainless steel
- LEDs indicating status and diagnostics
- Electronics galvanically isolated from the field level via optocouplers
- 4 analog inputs for current or voltage
- 0/4...20 mA, -10/0...+10 VDC (selectable per channel)

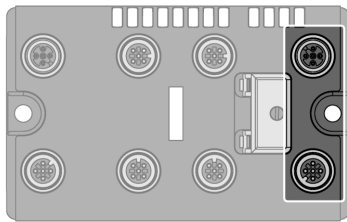
Type	BLCDP-4M12VMT-4AI-VI
Ident no.	6811188
Nominale systeemspanning	24 VDC
Systeemvoeding	via hulpspanning
Aansluittechniek - spanningsvoeding	2 x M12, 5-polig
Toegelaten bereik Vi	18...30 VDC
Nominale stroom Vi	112 mA
Max. stroom Vi	1 A
Transmissiesnelheid veldbus	9.6 Kbit/s...12 Mbit/s
Instelling transmissiesnelheid	automatische herkenning
Adresbereik veldbus	0...99
Adressering veldbus	2 dec. Rotary coding switches
Aansluittechniek veldbus	2 x M12
	5-pin, reverse-keyed
Veldbusafsluiting	External
Service-interface	RS232 interface
Analoge ingangen	van 4AI-VI
Systeemuitvoeringen	0/4 ... 20 mA of -10/0 ... 10 VDC
Type ingangsdiagnose	kanaaldiagnose
Sensorvoeding	24 VDC, max. 1 A
Ingangsweerstand	Current: < 0.125 kΩ, Voltage: < 98.5 kΩ
Grensfrequentie analoog	< 20 Hz
Basisfoutgrens bij 23 °C	< 0.3 %
Herhalingsnauwkeurigheid	< 0.05 %
Temperatuurcoëfficiënt	< 300 ppm / °C of full scale
Resolutie	16 Bit
Meetprincipe	Sigma Delta
Weergave gemeten waarde	16 Bit Signed Integer
	12 Bit Full Range linksbondig

BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI

Afmetingen	113 x 71 x 32.5 mm
Montage	2 x 5,4 mm diameter opening, 1,7 Nm draaimoment
Gewicht	390 ± 20 g
Behuizingsmateriaal	nylon, glasvezelversterkt, 316L roestvaststalen connector
Behuizingskleur	zwart
Materiaal schroef	303 stainless steel
Materiaal label	Polyester met bekleding uit polycarbonaat
Materiaal etiket aarding	304 stainless steel
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

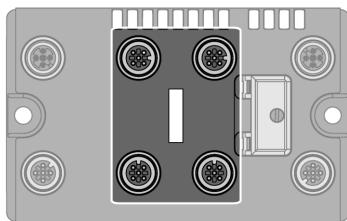
BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI

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PROFIBUS-DP

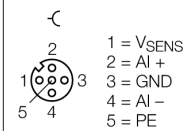
veldbuskabel (voorbeeld): RSSW RKSW 455-2M Ident-No. U0350
of RSSW-RKSW455-2M Ident-No. 6602222



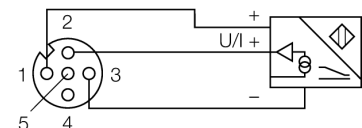
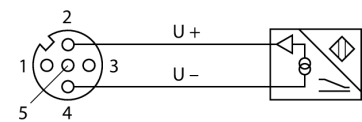
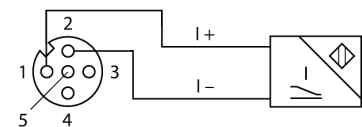
Analoge ingangen

verbindingskabel (voorbeeld): RK 4.5T-2-RS 4.5T/S653 Ident-No. U2187-09 of RKC4.5T-2-RSC4.5T/TEL Ident-No. 6625212

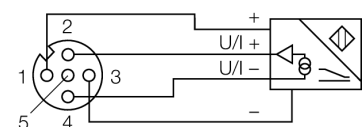
pinconfiguratie



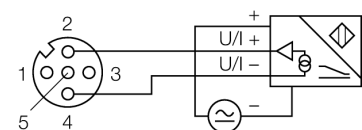
2-draads-aansluittechniek (stroom)

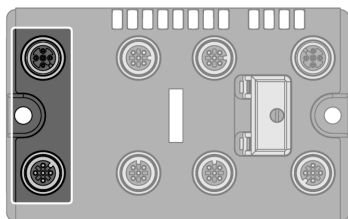


4-draads-aansluittechniek

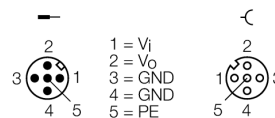


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BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI**Hulpenergie**

verbinding kabel (voorbeeld): RKC 4.4T-2-RSC 4.4T Ident-No.
U5264 of RKC4.4T-2-RSC4.4T/TEL Ident-No. 6625208

pinconfiguratie

BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI**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
BUS		OFF	Keine Feldbus Kommunikation
	GREEN	ON	Feldbus Kommunikation aktiv
	GREEN	FLASHING (1 Hz)	No field bus communication active, device status OK
	RED	ON	Bus error at the gateway; no data exchange
	RED	FLASHING	Faulty PROFIBUS-DP address
BUS		OFF	Keine Feldbus Kommunikation
	GREEN	ON	Feldbus Kommunikation aktiv
	GREEN	FLASHING (1 Hz)	Keine Feldbuskommunikation aktiv, Gerätestatus OK
	RED	ON	Busfehler am Gateway; kein Datenaustausch
	RED	FLASHING	Fehlerhafte PROFIBUS-DP Adresse

Status: I/O LED

LED	Color	Status	Description
D *		UIT	Geen diagnose actief
	ROOD	AAN	stations / modulebus communicatiefout
	ROOD	KNIPPEREND (0.5Hz)	gemeenschappelijke diagnose
AI channels 0...3		OFF	Channel inactive
	GREEN	ON	Channel active
	GREEN	FLASHING (0.5 Hz)	Measuring range undershoot
	GREEN	FLASHING (4 Hz)	Measuring range overshoot

* De „D“ LED signaleert ook de Gateway diagnose

BL compact veldbus station voor PROFIBUS-DP
4 Analog Current or Voltage Inputs
BLCDP-4M12VMT-4AI-VI

I/O Data Map

INPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
AI 1 ₀	0	AI 1 ₀ LSB							
	1	AI 1 ₀ MSB							
AI 1 ₁	2	AI 1 ₁ LSB							
	3	AI 1 ₁ MSB							
AI 1 ₂	4	AI 1 ₂ LSB							
	5	AI 1 ₂ MSB							
AI 1 ₃	6	AI 1 ₃ LSB							
	7	AI 1 ₃ MSB							