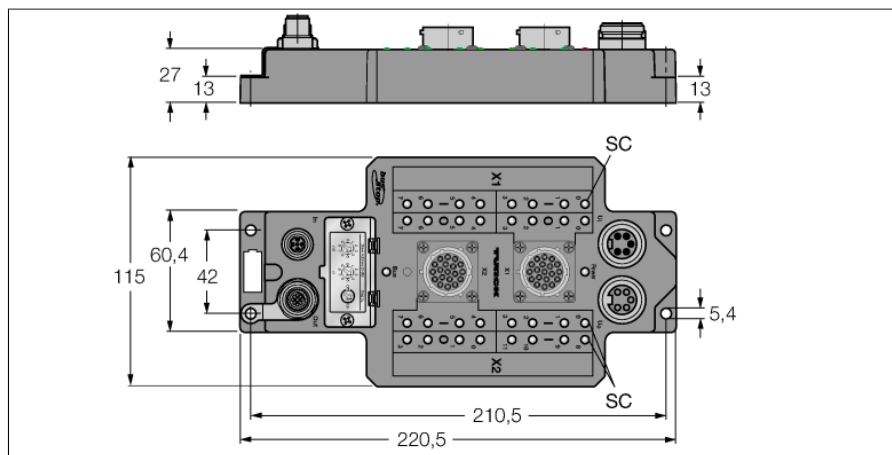


Fieldbus I/O module PROFIBUS-DP

20 digital pnp inputs

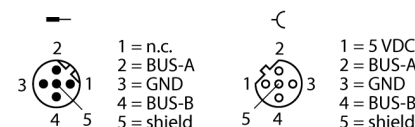
12 digital outputs 0.5 A

FLDP-IOM2012-0001



- Bayonet connection - Burndy 19-pin
- Module-related diagnostics
- Fibre-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connectors
- Degree of protection IP67

M12 × 1 Fieldbus



Type	FLDP-IOM2012-0001
ID	6825339

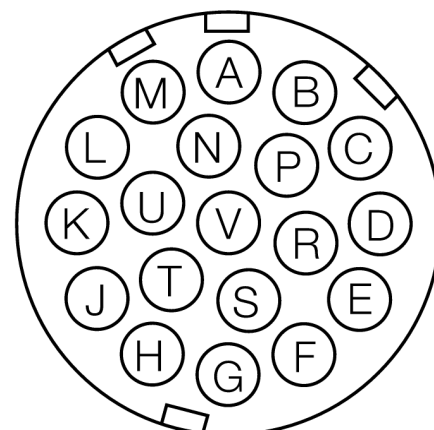
Number of channels	32
Operating / load voltage	18...30 VDC
Voltage supply connection	2 × 7/8"

Inputs	
Number of channels	(20) 3-wire pnp sensors
Input voltage	18...30 VDC via operating voltage
Supply current	< 500 mA 8/12 channel each, short-circuit proof
Switching threshold	2 mA / 4 mA
Input delay	2.5 ms
Switching frequency	≤ 250 Hz
Max. input current	7 mA
Electrical isolation	galvanic isolation against the bus

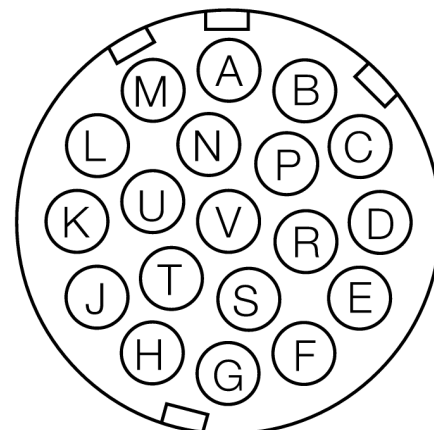
Outputs	
Number of channels	(12) DC actuators
Output voltage	18...30 VDC from load voltage
Output current per channel	0.5 A, short-circuit proof
Load type	resistive, inductive, lamp load
Switching frequency	≤ 250 Hz
Simultaneity factor	1
Electrical isolation	galvanic isolation against the bus

Fieldbus transmission rate	9.6 kbps ...12 Mbps
Fieldbus addressing	0 ... 99 (decimal) via two coded rotary switches
Electrical isolation	to operating and load voltage
Diagnostics	Load voltage diagnostics, switched on/off via rotary switch

Connection - Inputs



Connection - Outputs

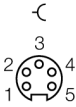


Dimensions (W x L x H)	115 x 220.5 x 27 mm
Housing material	fibre-glass reinforced Polyamide (PA6-GF30)
Halogen-free	yes
Mounting	4 mounting holes Ø 5,4 mm
Ambient temperature	0...+55 °C
Storage temperature	-25...+70 °C
Altitude	Max. 5000 m
Vibration test	Acc. to EN 60068-2-6
Shock test	Acc. to EN 60068-2-27
Electromagnetic compatibility	Acc. to EN 61000-6-2/EN 61000-6-4
Protection class	IP67
Approvals	CE, cULus
UL Certificate	pol. deg.2, env. temp. max. 40 °C, cl.2 ps req.

7/8" Power Supply



- 1 = GND
- 2 = GND
- 3 = PE
- 4 = U_B
- 5 = U_L



Data in process image

X1I4: Connector 1, input 4
X2O3: Connector, 2/3", output 3
SC: Short-circuit - group signal
UB: UB < 18 VDC
UL: UL < 18 VDC

		Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Input	Byte 0	X1I7	X1I6	X1I5	X1I4	X1I3	X1I2	X1I1	X1I0
	Byte 1	X2I7	X2I6	X2I5	X2I4	X2I3	X2I2	X2I1	X2I0
	Byte 2	-	-	-	-	X2I11	X2I10	X2I9	X2I8
Output	Byte 0	X1O7	X1O6	X1O5	X1O4	X1O3	X1O2	X1O1	X1O0
	Byte 1	-	-	-	-	X2O3	X2O2	X2O1	X2O0
Diagnostics	Byte 0	-	-	-	-	-	UB	UL	SC