

ASi Module with Serial Interface for barcode scanners

High protection category IP67



(Figure similar)

Article no. BWU3416 ASi RS232 Module, IP67, M12

The ASi module with serial interface for barcode scanners allows an easy connection of barcode scanners with RS232 interface over ASi to the PLC.

The barcode scanner can be controlled and the values read through serial commands.

Article no	BWU3416
General Data	
Device type	output
Connection	
ASi / AUX connection	profile cable and piercing
Periphery connection	M12
Serial interface	RS232 9,6 kBd to barcode scanner, 50 Bd data rate
ASi	
Profile	S-7.A.5
Address	1 AB address
Required master profile	≥M4
As of ASi specification	3.0
Operating voltage	30 V _{DC} (18 ... 31,6 V)
Max. current consumption	45 mA
Max. current consumption without sensor/ actuator supply	45 mA
AUX	
Voltage	24 V (18 ... 30 V)
Max. current consumption	1 A
Display	
LED ASi (green)	on: ASi voltage on flashing: ASi voltage on, but peripheral fault ⁽¹⁾ or address 0 off: no ASi voltage
LED FAULT (red)	on: ASi address 0 or ASi participant offline flashing: peripheral fault ⁽¹⁾ off: ASi participant online
LED AUX (green)	on: 24 V _{DC} AUX off: no 24 V _{DC} AUX

Article no	BWU3416
Environment	
Applied standards	EN 61000-6-2 EN 61000-6-3 EN 61131-2 EN 60529
Operating altitude	max. 2000 m
Ambient temperature	-30 °C ... +70 °C
Storage temperature	-30 °C ... +85 °C
Housing	plastic, for DIN rail mounting
Pollution degree	2
Protection category	IP67
Tolerable loading referring to humidity	acc. to EN 61131-2
Max. tolerable shock load	30g, 11 ms, acc. EN 61131-2
Max. tolerable vibration stress	5 ... 8 Hz 50 mm _{pp} /8 ... 500 Hz 6g, acc. EN 61131-2
Insulation voltage	≥500 V
Weight	100 g
Dimensions (W / H / D) in mm	45 / 80 / 42

(1) See table "Peripheral fault indication"

Article no.	Peripheral fault indication		
	Overload sensor supply	Output short circuited	AUX voltage missing
BWU3416	-	-	•

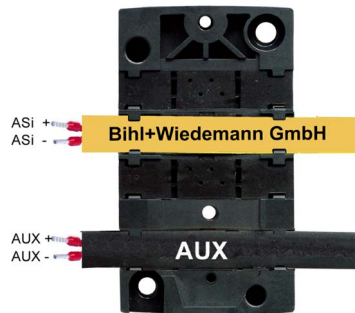
Pin assignment

Signal name	Explanation
Ox	digital output x
24 V _{ext out}	power supply, out of external voltage, positive pole (AUX, actuator supply)
0 V _{ext out}	power supply, out of external voltage, negative pole (AUX, actuator supply)
TxD	RS232 transmit
RxD	RS232 receive

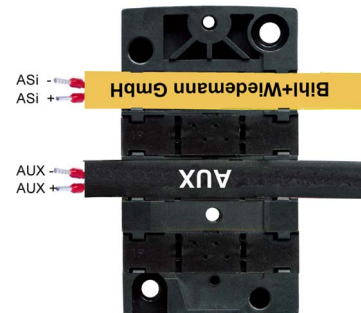
Connections							
Article no.	M12 connection	Marking	Pin1	Pin2	Pin3	Pin4	Pin5
BWU3416	X1	X1	24 V _{ext out}	TxD	0 V _{ext out}	RxD	n.c.
	X2		not used				
	X3		not used				
	X4		not used				
	ADDR (dummy plug)		connection for ASI-3 addressing device				

The diagram shows the physical module with labels for connectors X1, X2, X3, X4, and ADDR. To the right, a circular connector is shown with pins 1, 2, 3, 4, and 5 arranged in a circle.

Mounting according to cable direction

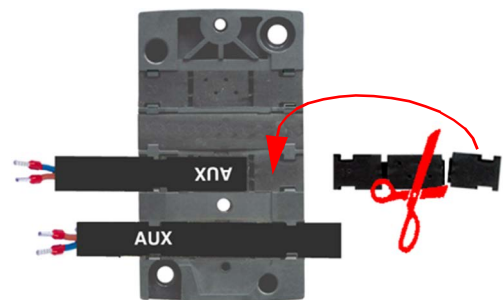
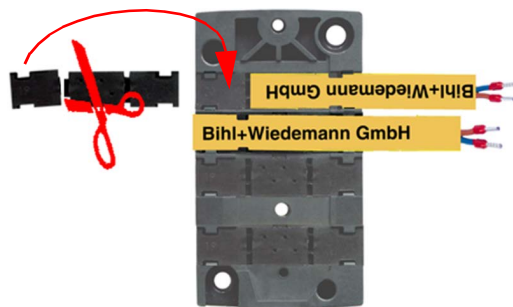


ordinary



turned

Line termination with sealing profiles / as junction



Accessories:

- ASi substructure module for 4 channel module in 45 mm housing (art. no. BW2349)
- ASi substructure module (CNOMO) for 4 channel module in 45 mm housing (art. no. BW2350)
- Universal protection cap ASI-5/ASI-3 for M12 sockets, IP67 (art. no. BW4056)
- Sealing profile IP67 (IDC plug), 45 mm (art. no. BW3283)
- ASi-5/ASI-3 Address Programming Device (art. no. BW4708)