

ASi module for SEW Frequency Inverter, IP65, M12



ASi node for SEW Frequency Inverters

Infrared interface for ASi node addressing

Easy triggering of fixed frequencies

M12 connectors

High protection class IP65



(figure similar)



Article no. BWU2038: ASi module for SEW Frequency Inverter, IP65, M12

The ASi module for SEW frequency inverters enables the data exchange and programming of frequency inverters with the help of an easy connection to ASi. The ASi module consists of an ASi 2I Module as a bus interface and a serial interface to communicate with the frequency inverter. The MOVILINK protocol of

MOVIMOT is implemented in the ASi node. The ASi module for SEW frequency inverters is software-compatible to the previous ASi modules for SEW frequency inverters.

With infrared interface for ASi node addressing.

Article no.	BWU2038
Interface	
Interface	RS 485
Baud rates	9600 Bit/s
Connection	
ASi / AUX connection	profile cable and piercing
Periphery connection	M12
ASi	
Profile	S-7.F.E (ID1=1 fixed)
Address	1 single address
Required Master profile	≥ M3
Since ASi specification	2.1
Operating voltage	30 V (18 ... 31,6 V)
Max. current consumption	≤ 80 mA
AUX	
Voltage	24 V (18 ... 30 V)
Max. current consumption	≤ 200 mA
Input	
Number	2
power supply	out of ASi
Supply of attached sensors	50 mA
Switching threshold	< 5 V (low) > 15 V (high)

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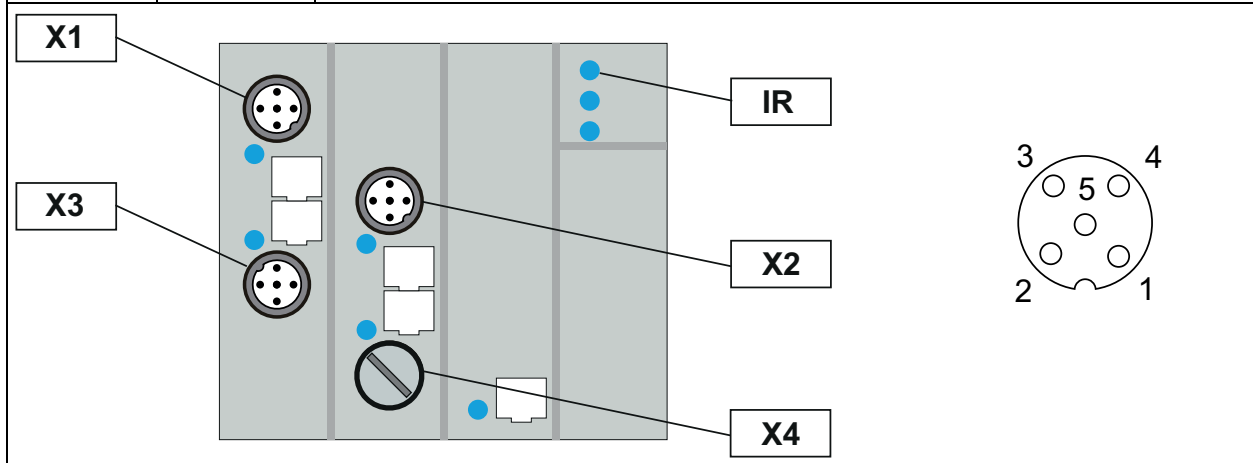
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Visualization	
LED I1, I2 (yellow)	state of input I1, I2
LED RS485/24V (yellow)	RS 485 communication active
LED PWR (green)	on: ASi voltage flashing: ASi voltage on, but peripheral fault or address 0 off: no ASi voltage
LED AUX (green)	on: 24 V _{DC} AUX off: no 24 V _{DC} AUX
LED FLT (red)	on: ASi node offline flashing: Peripheral fault (error in the inverter, communication error or sensor supply short circuited) off: ASi node online
Environment	
Applied standards	EN 61000-6-2 EN 61000-6-4
Operating altitude	max. 2000 m
Ambient operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Housing	plastic, for DIN rail mounting
Protection category (EN 60529)	IP65
Maximum tolerable shock and vibration stress	≤ 15 g, T≥11 ms 10 ...50 Hz, 0,5 mm amplitude
Isolation voltage	≥ 500 V
Weight	100 g
Dimensions (B / H / T in mm)	90 / 80 / 43

Pin assignment

Signal name	Explanation
Ix	Digital input x
RS 485 TX +	Communication with motor, positive pole (labeling on motor RX +)
RS 485 TX -	Communication with motor, negative pole (labeling on motor RX -)
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)
24 V _{ext in}	Input voltage, positive pole (AUX+)
0 V _{ext in}	Input voltage, negative pole (AUX-)
ASi+	ASi network, positive potential
ASi-	ASi network, negative potential
24 V _{out of ASi}	Power supply, out of ASi, positive pole (sensor supply)
0 V _{out of ASi-}	Power supply, out of ASi, negative pole (sensor supply)
n.c.	not connected

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Connections								
Article no.	M12 Connection	Marking	Pin1	Pin2	Pin3	Pin4	Pin5	
BWU2038	X1	RS485/24V _{ext} (motor)	24V _{ext} out	RS 485 TX -	0V _{ext} out	RS 485 TX +	n.c.	
	X2	I1 (input 1)	24V _{out of ASi}	n.c.	0V _{out of ASi}	I1	n.c.	
	X3	I2 (input 2)	24V _{out of ASi}	n.c.	0V _{out of ASi}	I2	n.c.	
	X4	no connection (dummy plug)						
	IR	infrared interface for ASi-3 addressing plug						



Notice:

- The bus address must be set at the MOVIMOT via the DIP switch "1".
- The tap of the external 24V_{ext} is protected via a resetting fuse.

Accessories:

- ASi substructure module to connect 1 ASi flat cable, 1 flat cable for additional supply (art. no. BW1181)
- Universal protection cap ASi-5/ASi-3 for M12 sockets, IP67 (art. no. BW4056)
- ASi-5/ASi-3 Address Programming Device (art. no. BW4708)