

AS-i Slave for SEW Frequency Inverter, IP65, M12

AS-i Slave for SEW Frequency Inverters

Infrared interface for slave addressing

Easy triggering of fixed frequencies

M12 connectors

High protection class IP65



(figure similar)



Article no. BWU2038: AS-i Slave for SEW Frequency Inverter, IP65, M12

The AS-i Slave for SEW frequency inverters enables the data exchange and programming of frequency inverters with the help of an easy connection to AS-i. The AS-i Slave consists of an AS-i 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 AS-i Slave. The AS-i Slave for SEW frequency inverters is software-compatible to the previous AS-i Slaves for SEW frequency inverters.

With infrared interface for slave addressing.

Article no.	BWU2038
Interface	
Interface	RS 485
Baud rates	9600 Bit/s
Connection	
AS-i / AUX connection	profile cable and piercing
Periphery connection	M12
AS-i	
Profile	S-7.F.E (ID1=1 fixed)
Address	1 single slave
Required Master profile	≥ M3
Since AS-i 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 AS-i
Supply of attached sensors	50 mA
Switching threshold	< 5 V (low) > 15 V (high)

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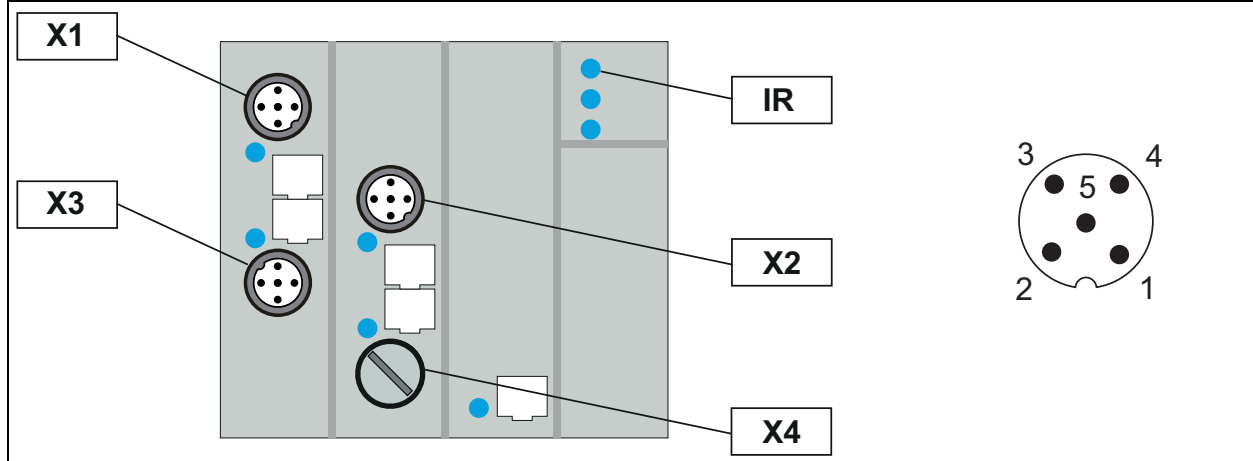
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Visualization	
LED I1, I2 (yellow)	state of input I1, I2
LED RS485/24V (yellow)	RS 485 communication active
LED PWR (green)	on: AS-i voltage flashing: AS-i voltage on, but peripheral fault or address 0 off: no AS-i voltage
LED AUX (green)	on: 24 V _{DC} AUX off: no 24 V _{DC} AUX
LED FLT (red)	on: Slave offline flashing: Peripheral fault (error in the inverter, communication error or sensor supply short circuited) off: Slave 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-)
AS-i+	AS-i network, positive potential
AS-i-	AS-i network, negative potential
24 V _{out of AS-i}	Power supply, out of AS-i, positive pole (sensor supply)
0 V _{out of AS-i}	Power supply, out of AS-i, 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 AS-i	n.c.	0V _{out} of AS-i	I1	n.c.
	X3	I2 (input 2)	24V _{out} of AS-i	n.c.	0V _{out} of AS-i	I2	n.c.
	X4	no connection (dummy plug)					
	IR	infrared interface for AS-i addressing device					



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:

- AS-i substructure module for 4-channel module in 45 mm-housing (art. no. BW2349)
- AS-i substructure module (CNOMO) 4-channel module in 45 mm-housing (art. no. BW2350)
- Protection caps for unused M12 sockets (article no. BW2368)