AS-i Counter Module (0-15)

Bihl + Wiedemann

1-Channel Input

As simple as digital AS-i I/O

High protection category IP65

AS-i connection via bottom module or M12

Article no. BWU1711: AS-i Counter Module (0 to 15)

The AS-i Counter Module has 1 input for standard sensors. The module counts the impulses from (0 … 15) via AS-i. The start value is 0. When reaching the count 15 the module starts at 0 again. The counter module loads the current value and determines the number of pulses between two host calls from the difference between this value and the previous.

With the help of parameters the module can be set to zero as well as the counting direction can be defined.

As long as the AS-i parameter for setting zero is set the counting is stopped.

Article no	BWU1711
Inputs	1 input
Power supply	out of AS-i
Sensor supply	short-circuit and overload protected according to EN 61131
Range of value	0 … 15 dec. (start value: -0)
Counting rate	max. 769 Hz
Power supply sensor	max. 150 mA
AS-i profile	S-0.F
ID code	F_{hex}
IO code	0_{hex}
ID1 code	F_{hex}
ID2 code	E_{hex}
Displays	
LED yellow	state of channel 1
LED green (PWR)	AS-i voltage
LED red (FAULT)	AS-i communication error, peripheral fault
Operating current	< 200 mA
Operating voltage	30 V (20 … 31.6 V)
Voltage of insulation	$\geq$ 500 V
EMC	according EN 50 081-2, EN 61 000-6-2
Operating temperature	0°C … +70°C
Storage temperature	-25°C … +85°C
Pollution degree	2
Housing	housing for DIN-rail mounting
Dimensions (L, W, H)	90 mm, 80 mm, 43 mm
Protection category (DIN 40 050)	housing IP65
Tolerable loading referring to humidity	according to EN 61131-2

Programming:
(Bit-setting of AS-i parameters)

P1	P0	not used

P2	
1	normal mode
0	set zero

P3	
1	count upwards
0	count downwards

Accessories:

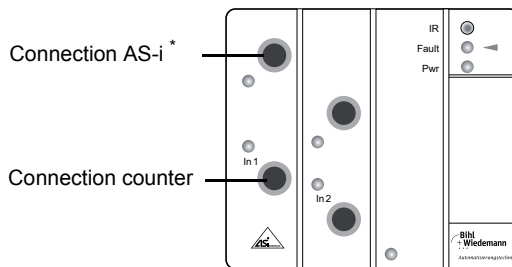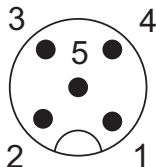AS-i substructure module to connect 1 AS-i flat cable, 1 flat cable for additional supply (art. no. BW1181)

AS-i substructure module to 1 AS-i round cable, 1 round cable for additional supply (art. no. BW1183)

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AS-i Counter Module (0-15)

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Connection AS-i

1	AS-i +
2	n.c.
3	AS-i -
4	n.c.
5	n.c.

Connection counter:

1	24 V out of AS-i
2	input
3	0 V out of AS-i
4	n.c.
5	n.c.

Connection AS-i *

Connection counter

IR
Fault
Pwr

In 1

In 2

* Remark: If you use this connection for AS-i,
do not connect an AS-i cable to the substructure.