

AS-i/AS-i Coupler in IP65

Connection of 2 AS-i networks via 2 internal 4I/4O slaves

Easy data exchange
between 2 AS-i networks via
the internal 2 AS-i slaves

High protection class IP65



Article no. BWU1280

The AS-i/AS-i Coupler provides the easiest solution to exchange data between two PLCs via AS-i.

In big applications with more than one AS-i network there is often a need to exchange data between two AS-i networks, e. g. to report the process status. This problem was solved in the past with the help of 2 normal AS-i 4I/4O Modules, with the inputs of one slave connected to the outputs of the other slave. With the use of the AS-i/AS-i Coupler to solve this problem the installation costs as well as the components costs can be reduced.

The AS-i/AS-i coupler consists of two 4I/4O Slaves in one housing. The outputs of one slave are connected to respective inputs

of the other slave and vice versa (AS-i output data bit 0 of the first slave with AS-i input data bit 0 of the second slave and vice versa, etc.).

There is a galvanic isolation between both AS-i networks.

Each AS-i slave has got 5 LEDs, 4 LEDs for the 4 outputs and one power LED. Furthermore each slave has got an address socket.

As long as one of both slaves does not exchange data the other slave reads on each input a 0 as default.

Technical data

Article no.	BWU1280
Interfaces	AS-i circuit 1 and 2
IO-Code (slave 1 and 2)	7 _{hex}
ID-Code (slave 1 and 2)	F _{hex}
ID1-Code (slave 1 and 2)	F _{hex}
ID2-Code (slave 1 and 2)	E _{hex}
LEDs for slave 1 and 2	
2x 4 LEDs yellow	output 1 up to output 4
2x LED green/red (PWR/FAULT)	AS-i voltage/Communication error
2x address sockets	for slave 1 and slave 2
Operating current	< 80 mA per slave
Operating voltage	30 V (18 ... 31.6 V)
Voltage of insulation	≥ 500 V
EMC directions	EN 50 082, EN 50 081
Ambient operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Pollution degree	2
Housing	housing for DIN-rail mounting
Dimensions (L, W, H)	90 mm, 80 mm, 70 mm
Protection category (DIN 40 050)	housing IP65
Tolerable loading referring to humidity	according to EN 61131-2

AS-i connections via yellow AS-i cable

