

AS-i High Power Repeater in IP20

AS-i High Power Repeater for sliding contacts

Higher transmission and reception levels to High Power Segment A

To interference insensitive point-to-point connections

On-Board Diagnostics AS-i Fault and AS-i Power

Galvanic isolation

Passive on the AS-i network (no slave address required)



Article No. BW2384 AS-i High Power Repeater for sliding contacts in IP20

The AS-i High Power Repeater for sliding contacts works with 3 x higher transmission and reception levels. The AS-i communication for sliding contacts gets considerably less sensitive to disturbances. AS-i is basically very inured to disturbances. The

interference resistance, for example, to parallel supply lines of converters is highly improved due to higher transmission and reception levels.

| Article No. | BW2384 |
|--|---|
| Connections | COMBICON clamps |
| AS-i voltage | 26,5 ... 31,6 V via AS-i |
| Max. AS-i current consumption | 60 mA in Segment B, 180 mA in Segment A, 240 mA (total) |
| Quantity of required AS-i power supplies | 1 additionally (as any AS-i Repeater) |
| Voltage of insulation | ≥ 500 V |
| Display | |
| PWR AS-i Seg.B (green) | Power AS-i Segmnt B |
| FAULT AS-i Seg.B (red) | Communication error Segment B |
| PWR High Power Seg.A (green) | Power High Power Segment A |
| FAULT High Power Seg.A (red) | Communication error High Power Segment A |
| TERM (yellow) | Bus termination High Power Segment A enabled |
| U > 26 V (green) | U High Power Segment A > 26 V |
| U > 18,5 V (yellow) | U High Power Segment A > 18,5 V |
| Applied standards | EN 61 000-6-2 EN 61 000-6-3 |
| Ambient operating temperature | 0 ... +55 °C |
| Storage temperature | -25 ... +75 °C |
| Protection category acc. EN 60 529 | IP20 |
| Electromagnetic sustainability | according to slave specification |
| Dimensions (L / W / H in mm) | 114 / 22,5 / 99 |

Note:

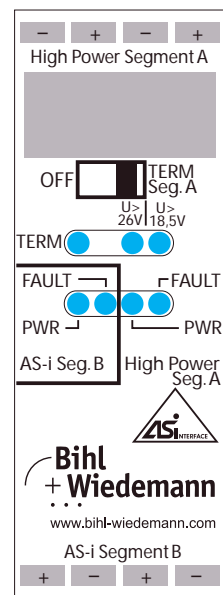
The AS-i High Power Repeater does not occupy any slave address. The total amount of the slaves (31 respectively 62) per AS-i network remains constant. No programming required.

Accessories:

- AS-i Power supply (art. no. BW1649)
- AS-i Bus termination (art. no. BWU1644)
- AS-i Tuner (art. no. BWU1648)
- AS-i Repeater in IP65 (art. no. BWU1273)
- AS-i Analyser (art. no. BW1415)
- AS-i Module for Power Decoupling (art. no BW2387)

Connections:

| | |
|-----|---------------|
| 1 | High Power A- |
| 2 | High Power A+ |
| 3 | High Power A- |
| 4 | High Power A+ |
| 5 | n.c. |
| ... | ... |
| 12 | n.c. |
| 13 | AS-i B+ |
| 14 | AS-i B- |
| 15 | AS-i B+ |
| 16 | AS-i B- |



Hint:

Air circulation in the power supply may not be disturbed: therefore when mounting see that is at least 50 mm free space down/above and 30 mm free space left/right!