

Central Safety Gateway

Safe Link

REST API for IIoT applications


Applications up to category 4/PLe/SIL 3

Chip card for storage of configuration data



(figure similar)



Figure	Field-bus Interface	Safety communication	Inputs Safety, SIL 3, cat. 4	Outputs Safety, SIL 3, cat. 4	Inputs Safety, expandable to	Safety outputs, independent according to SIL 3, expandable to	Number of ASi networks, number of ASi Master	Integrated de-coupling, ASi current measurement in the gateway	Diagnostic and configuration interface ⁽¹⁾	Art. no.
	Ethernet, Ethernet	Shuttle Safety + Safe Link	-	-	-	-	-	-	Ethernet diagnostic	BWU3839

(1) **Diagnostic and configuration interface**

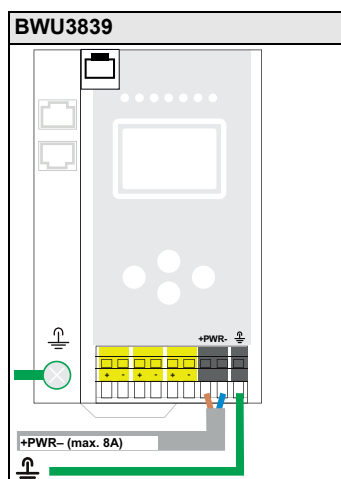
"Ethernet diagnostic": Access to Safety Monitor with Bihl+Wiedemann software by using the Ethernet diagnostic interface.

The latest version of the device description file of the gateway is available in the "Downloads" section of the respective device.

Article no.	BWU3839
Fieldbus Interface	
Type	Ethernet; 2 x RJ-45: 100 MBaud, 2-Port-Switch
Baud rate	100 MBaud
IT interface	REST API
Card slot	chip card (BW4055) for storage of configuration data
Display	
LCD	menu, indication of ASi addresses and error messages in plain text
LED power (green)	power on
LED Safe Link (green)	Safe Link communication active
LED fa overflow (red)	overflow of forbidden area
LED fa empty (green)	forbidden area empty
LED shuttle safety (green)	shuttle in normal operation
UL-specifications (UL508), UL file no. E227214	
External protection	An isolated source with a secondary open circuit voltage of $\leq 30 V_{DC}$ with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed.
In general	UL mark does not provide UL certification for any functional safety rating or aspects of the above devices.

Article no.	BWU3839
Environment	
Standards	EN 60529 EN 62026-2 EN 61000-6-2 EN 61000-6-4 EN 62061, SIL 3 EN 61508, SIL 3 EN ISO 13849-1, PL _e
Operating altitude	max. 2000 m
Ambient temperature	0 °C ... +55 °C
Storage temperature	-25 °C ... +85 °C
Housing	stainless steel, for DIN rail mounting
Pollution Degree	2
Protection category	IP20
Tolerable loading referring to humidity	according to EN 61131-2
Maximum tolerable shock and vibration stress	according to EN 61131-2
Voltage of insulation	≥ 500V
Weight	800 g
Dimensions (W / H / D in mm)	85 / 120 / 106

Connections:



Accessories:

- Bihl+Wiedemann Safety Suite - Safety Software for Configuration, Diagnostics and Commissioning (art. no. BW2916)
- Chip card, memory capacity 512 kByte (art. no. BW4055)