

BALLUFF

BDG E_ _ _ _ -B/H...



deutsch Montageanleitung

english Installation guide

BDG E ___ -B/H... Drehgeber/Rotary Encoder



Mit dem CE-Zeichen bestätigen wir, dass unsere Produkte den Anforderungen der aktuellen EU-Richtlinie entsprechen.

The CE Mark verifies that our products meet the requirements of the current EU Directive.



Sicherheitshinweise / Safety notes

Tätigkeiten wie **Einbau, Anschluss** und **Inbetriebnahme** dürfen nur durch geschulte Fachkräfte erfolgen.

Die Produkte dürfen nur in industrieller Umgebung und in nichtsicherheitsrelevanten Bereichen eingesetzt werden.

Activities such as **installation, connection** and **commissioning** may only be carried out by qualified personnel.

The products are only designed and produced for use in industrial environments and not for use in safety related applications.

	1 DIN EN 100015-1 	Spannungsversorgung/ Power Supply: Class 2 only
		www.balluff.com

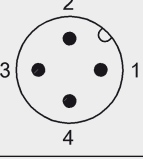
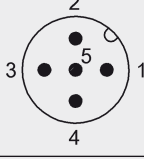
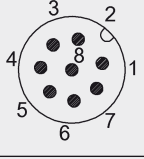

Montage / Installation

Typ / Type	Montage / Installation			Ød [mm]	L [mm]	D [mm]
BDG E __40-BA...			6	11...20	50	
BDG E __58-BC...			6, 8, 10, 12, 15	17...39	56	
BDG E __58-HC...			8, 10, 12, 12,7 / 12,7, 14	≥ 17	56	
BDG E __80-HA...			10, 12, 14, 15, 16, 18, 20, 25, 27	≥ 14	66	

BDG E____-B/H... Drehgeber/Rotary Encoder

Elektrischer Anschluss / Electrical connection

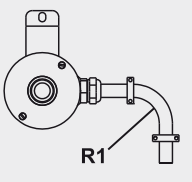
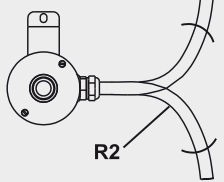
Pinbelegung / Pin assignment

Pin	Signal						
	S4 (Stecker M12, 4 Pin / M12 male, 4 pin)	S5 (Stecker M12, 5 Pin / M12 male, 5 pin)	S8 (Stecker M12, 8 Pin / M12 male, 8 pin)			SC (Stecker M12, 12 Pin / M12 male, 12 pin)	
							
BDG E____-B/H...							
	...TA	...TD	...C1	...H3	...T2	...H5	...TB
1	UB	UB	GND	GND	GND	UB	UB
2	A	B	UB	UB	UB	n.c.	n.c.
3	GND	GND	A	A	A	GND	GND
4	B	A	A _{inv}	B	B	A	A
5	–	N	B	N	N	n.c.	n.c.
6	–	–	B _{inv}	A _{inv}	n.c.	B	B
7	–	–	n.c.	B _{inv}	n.c.	B _{inv}	n.c.
8	–	–	n.c.	N _{inv}	n.c.	N	N
9	–	–	–	–	–	A _{inv}	n.c.
10	–	–	–	–	–	N _{inv}	n.c.
11	–	–	–	–	–	n.c.	n.c.
12	–	–	–	–	–	n.c.	n.c.
Schirm/ Shield	Gehäuse / Housing						

Kabel / Cable

Adernfarbe/ Wire color	Signal		
	BDG E____-B/H...		
	...C1	...H5	...T1
WH	GND	GND	GND
BN	UB	UB	UB
GN	A	A	A
YE	A _{inv}	B	B
GY	B	N	N
RD	–	A _{inv}	–
BK	–	B _{inv}	–
VT	–	N _{inv}	–
PK	B _{inv}	–	–
Schirm/ Shield	Gehäuse / Housing		

Kabelverlegung / Cable routing

Kabel- durchmes- ser / Cable diameter [mm]	Radius/Radius	
		
≤ 7 mm	31,5 mm / 31.5 mm	94,5 mm / 94.5 mm
> 7 mm	41,5 mm / 41.5 mm	124,5 mm / 124.5 mm

Umgebungsbedingungen / Ambient conditions

Umgebungstemperatur / Ambient
temperature

mit Stecker/with connector	–40...+85 °C
mit Kabel/with cable	–20...+80 °C
BDG ...C1 (1V _{ss} /1V _{pp})	–10...+70 °C

Lagertemperatur / Storage temperature –30...+80 °C



innovating automation



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