

BALLUFF

BDG E_ _ _ _-P/S...



deutsch Montageanleitung
english Installation guide

BDG E _____-P/S... 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) P8 (Stecker M8, 8 Pin / M8 male, 8 pin)			SC (Stecker M12, 12 Pin / M12 male, 12 pin)	
BDG E _____-P/S...							
	...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

Adern- farbe/ Wire color	Signal				
	BDG E _____-P/S...				
	...C1	...H1	...H3	...H5	...T1
WH	GND	GND	GND	GND	GND
BN	UB	UB	UB	UB	UB
GN	A	A	A	A	A
YE	A _{inv}	B	B	B	B
GY	B	N	N	N	N
RD	-	A _{inv}	A _{inv}	A _{inv}	-
BK	-	-	-	B _{inv}	-
VT	-	N _{inv}	-	N _{inv}	-
PK	B _{inv}	-	B _{inv}	-	-
BU	-	B _{inv}	N _{inv}	-	-
Schirm/ Shield	Gehäuse / Housing				

Kabelverlegung / Cable routing

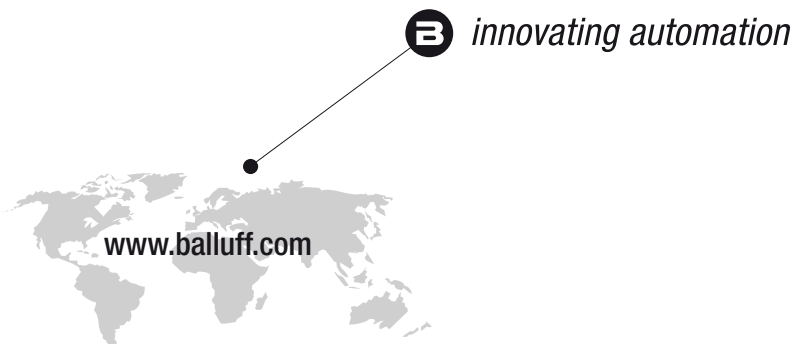
Kabel- durch- messer / Cable diameter [mm]	Radius/Radius	
≤ 7 mm	31,5 mm / 31.5 mm	94,5 mm / 94.5 mm
> 7 mm	41,5 mm / 41.5 mm	124,5 mm / 124.5 mm

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



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