

Connection Cable

M12 × 1; 8-pin

BG2BSW1-08M

Part Number

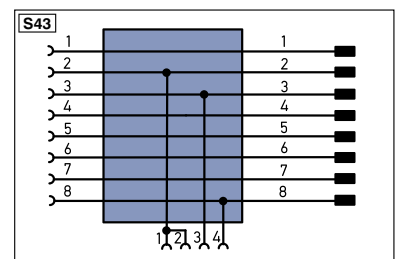


Technical Data

Mechanical Data

Connection 1	Socket, straight
Connection mode 1	M12 × 1, 4-pin
Connection 2	Plug, angled
Connection 2	Socket, angled
Connection mode 2	M12 × 1, 8-pin
Cable Length	80 cm
Diameter Cable	5 mm
Wire cross-section	0,25 mm ²
Degree of Protection	IP67
Material Cable Jacket	PVC
Material Wire Isolation	PVC
Material Cap Nut	CuZn, nickel-plated
Packaging unit	1 Piece
Connection Diagram No.	S43
Connection Technology No.	88

- Buchse M12 × 1, straight
- Plug M12 × 1, angled
- Socket M12 × 1, angled



Legend

+ Supply Voltage +	PT Platinum measuring resistor	ENa Encoder A
- Supply Voltage 0 V	nc not connected	ENb Encoder B
~ Supply Voltage (AC Voltage)	U Test Input	AMIN Digital output MIN
A Switching Output (NO)	Ü Test Input inverted	AMAX Digital output MAX
Ä Switching Output (NC)	W Trigger Input	AOK Digital output OK
V Contamination/Error Output (NO)	O Analog Output	SY In Synchronization In
Ṽ Contamination/Error Output (NC)	O- Ground for the Analog Output	SY OUT Synchronization OUT
E Input (analog or digital)	BZ Block Discharge	OUT Brightness output
T Teach Input	AWV Valve Output	M Maintenance
Z Time Delay (activation)	a Valve Control Output +	
S Shielding	b Valve Control Output 0 V	
RxD Interface Receive Path	SY Synchronization	
TxD Interface Send Path	E+ Receiver-Line	
RDY Ready	S+ Emitter-Line	
GND Ground	± Grounding	
CL Clock	SnR Switching Distance Reduction	
E/A Output/Input programmable	Rx+/- Ethernet Receive Path	
IO-Link	Tx+/- Ethernet Send Path	
PoE Power over Ethernet	Bus Interfaces-Bus A(+)/B(-)	
IN Safety Input	La Emitted Light disengageable	
OSSD Safety Output	Mag Magnet activation	
Signal Signal Output	RES Input confirmation	
BI-D+/- Ethernet Gigabit bidirect. data line (A-D)	EDM Contactor Monitoring	
ENa0-10V Encoder 0-pulse 0-0 (TTL)	ENa0-10V Encoder A/A (TTL)	
	ENb0-10V Encoder B/B (TTL)	

Wire Colors according to DIN IEC 757
BK Black
BN Brown
RD Red
OG Orange
YE Yellow
GN Green
BU Blue
VT Violet
GY Grey
WH White
PK Pink
GNYE Green/Yellow