

Connection Cable

M12 x 1; 8-pin

BG2BSW1-08M

Part Number

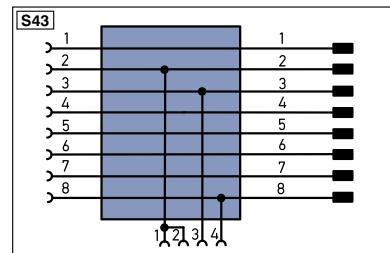


Technical Data

Mechanical Data

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

- **Plug M12 x 1, angled**
- **Socket M12 x 1, angled**
- **Socket M12 x 1, straight**



Legend

+	Supply Voltage +	PT	Platinum measuring resistor
-	Supply Voltage 0 V	nc	not connected
~	Supply Voltage (AC Voltage)	U	Test Input
A	Switching Output (NO)	Ü	Test Input inverted
Å	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input
Å	Contamination/Error Output (NC)	O	Analog Output
E	Input (analog or digital)	O-	Ground for the Analog Output
T	Teach Input	BZ	Block Discharge
Z	Time Delay (activation)	Aw	Valve Output
S	Shielding	a	Valve Control Output +
RxD	Interface Receive Path	b	Valve Control Output 0 V
TxD	Interface Send Path	SY	Synchronization
RDY	Ready	SY-	Ground for the Synchronization
GND	Ground	E+	Receiver-Line
CL	Clock	S+	Emitter-Line
E/A	Output/Input programmable	±	Grounding
IO-Link		SnR	Switching Distance Reduction
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path
IN	Safety Input	Tx+/-	Ethernet Send Path
OSSD	Safety Output	Ba	Interfaces-Bus A(+)/B(-)
Signal	Signal Output	La	Emitted Light disengageable
BL-D	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation
EN08542	Encoder 0-pulse 0-5 (TTL)	RES	Input confirmation
		EDM	Contactor Monitoring
		ENAP542	Encoder A/Å (TTL)
		ENB542	Encoder B/B (TTL)
		ENa	Encoder A
		ENb	Encoder B
		AMIN	Digital output MIN
		AMAX	Digital output MAX
		Aok	Digital output OK
		SY in	Synchronization In
		SY OUT	Synchronization OUT
		Ol,T	Brightness output
		M	Maintenance
		rsv	reserved
			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