

# Connection Cable

M8 × 1; 4-pin

## BG7SG7V1-2M

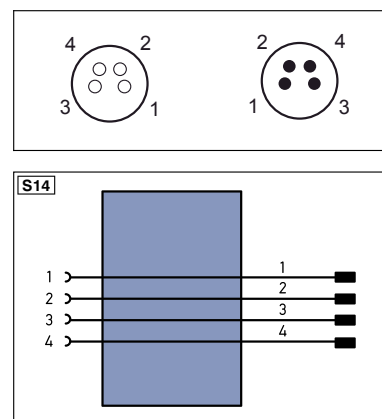
Part Number



### Technical Data

Mechanical Data	
Connection 1	Socket, straight
Connection mode 1	M8 × 1, 4-pin
Connection 2	Plug, straight
Connection mode 2	M8 × 1, 4-pin
Torque	M8: 0,5 Nm
Cable Length	2 m
Cable Diameter	5 mm
Wire cross-section	0,25 mm <sup>2</sup>
Degree of Protection	IP67
Temperature Range	-25...80 °C
Cable Jacket Material	PVC
Material Wire Insulation	PVC
Material Sleeve Nut	CuZn
Packaging unit	1 Piece
Connection Diagram No.	<b>S14</b>
Connection Equipment No.	<b>7 7s</b>

- Plug M8 × 1, straight
- Socket M8 × 1, straight



Legend					
+	Supply Voltage +	PT	Platinum measuring resistor	EN <sub>A</sub> rs42z	Encoder A/A (TTL)
-	Supply Voltage 0 V	nc	not connected	EN <sub>B</sub> rs42z	Encoder B/B (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	EN <sub>A</sub>	Encoder A
A	Switching Output (NO)	Ū	Test Input inverted	EN <sub>B</sub>	Encoder B
Ā	Switching Output (NC)	W	Trigger Input	AMIN	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	AOK	Digital output OK
Ṽ	Contamination/Error Output (NC)	O	Analog Output	SY in	Synchronization In
E	Input (analog or digital)	O-	Ground for the Analog Output	SY OUT	Synchronization OUT
T	Teach Input	BZ	Block Discharge	Out	Brightness output
Z	Time Delay (activation)	AW	Valve Output	M	Maintenance
S	Shielding	a	Valve Control Output +	rsv	reserved
RxD	Interface Receive Path	b	Valve Control Output 0 V	Wire Colors according to DIN IEC 757	
TxD	Interface Send Path	SY	Synchronization	BK	Black
RDY	Ready	SY-	Ground for the Synchronization	BN	Brown
GND	Ground	E+	Receiver-Line	RD	Red
CL	Clock	S+	Emitter-Line	OG	Orange
E/A	Output/Input programmable	≡	Grounding	YE	Yellow
⊕	IO-Link	SnR	Switching Distance Reduction	GN	Green
PoE	Power over Ethernet	Rx +/-	Ethernet Receive Path	BU	Blue
IN	Safety Input	Tx +/-	Ethernet Send Path	VT	Violet
QSSD	Safety Output	B <sub>us</sub>	Interfaces-Bus A(+)/B(-)	GY	Grey
Signal	Signal Output	La	Emitted Light disengageable	WH	White
BL-D <sub>+</sub>	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	PK	Pink
EN <sub>rs42z</sub>	Encoder 0-pulse 0-0 (TTL)	RES	Input confirmation	GNYE	Green/Yellow
		EDM	Contactor Monitoring		

Specifications are subject to change without notice