

# Connection Cable

M8 × 1; 4-pin - M12 × 1; 4-pin

## BG7SG2V1-2M

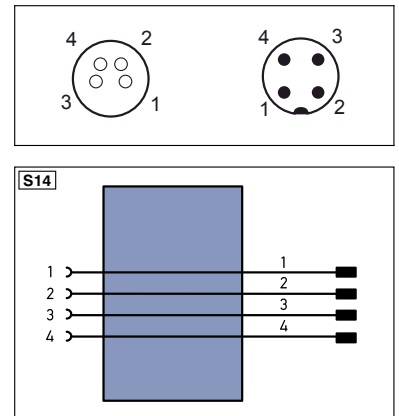
Part Number



### Technical Data

Mechanical Data	
Connection 1	Socket, straight
Connection mode 1	M8 × 1, 4-pin
Connection 2	Plug, straight
Connection mode 2	M12 × 1, 4-pin
Cable Length	2 m
Cable Diameter	5 mm
Wire cross-section	0,25 mm <sup>2</sup>
Degree of Protection	IP67
Temperature Range	-25...90 °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   2s</b>

- Plug M12 × 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	AMAX	Digital output MAX
Ṽ	Contamination/Error Output (NC)	O	Analog Output	AOK	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY in	Synchronization In
T	Teach Input	BZ	Block Discharge	SY OUT	Synchronization OUT
Z	Time Delay (activation)	AW	Valve Output	Out	Brightness output
S	Shielding	a	Valve Control Output +	M	Maintenance
RxD	Interface Receive Path	b	Valve Control Output 0 V	rsv	reserved
TxD	Interface Send Path	SY	Synchronization	Wire Colors according to DIN IEC 757	
RDY	Ready	SY-	Ground for the Synchronization	BK	Black
GND	Ground	E+	Receiver-Line	BN	Brown
CL	Clock	S+	Emitter-Line	RD	Red
E/A	Output/Input programmable	≠	Grounding	OG	Orange
⊕	IO-Link	SnR	Switching Distance Reduction	YE	Yellow
PoE	Power over Ethernet	Rx +/-	Ethernet Receive Path	GN	Green
IN	Safety Input	Tx +/-	Ethernet Send Path	BU	Blue
QSSD	Safety Output	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
Signal	Signal Output	La	Emitted Light disengageable	GY	Grey
BL-D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN <sub>0</sub> rs42z	Encoder 0-pulse 0-0 (TTL)	RES	Input confirmation	PK	Pink
		EDM	Contactor Monitoring	GNYE	Green/Yellow

Specifications are subject to change without notice