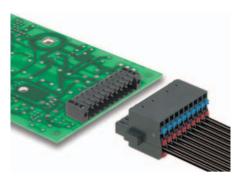
Spring connection socket connectors

BL-I/O 3.5 F LED



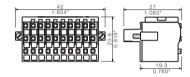
- 0.20 1.5 mm² (IEC) / 24 16 AWG (UL)
- 24 V (IEC) / 24 V (UL)
- 2.2 A (IEC) / 5 A (UL)

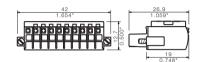
BL-I/O 3.5/30F LED





BL-I/O 3.5/10F LED





Technical data

D	/\/D= 04			
Rated data acc. to IEC 664-1				
Clamping range, max.	mm²	0.201.50		
Solid H05(07) V-U	mm²	0.8	501.	50
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.501.50		
Flexible with ferrule	mm²	0.8	501.	50
Ferrule with plastic collar	mm²			
Stripping length	mm		10.0	
Rated current				
at ambient temperature		20°C		40°C
•	Α	2.2		2.2
Overvoltage category		Ш	Ш	П
Pollution severity		3	2	2
Rated voltage	V	50		
Rated impulse voltage	kV	0.8		
91 UL 1059 rated data - E606	93	В	С	D
Rated voltage	V	50		50
Rated current	Α	5.0		5.0
AWG conductor			22-16	
(CSA C22.2 rated data - LR	12400 B	В	С	D
Rated voltage	V	50		50
Rated current	Α	5.0		5.0
AWG conductor			22-16	
Material data				
Type of insulating material			PBT	
Flammability class acc. UL94			V-0	
Contact base material		(Cu allo	у
Contact plating		ti	n plate	ed

Information • UL-approval-values only for factory wiring

- Form A; crimp form with PZ 6/5 crimping tool for ferrules, for the largest cable sizes.
- Total current carrying capacity of the potential-bridge max. 10A, if connected with 1.5mm² f
- ferrule without plastic collar acc. to DIN 46228/1
- Conductor <0.2 mm² must be tin plated
- Max. outside diameter of the conductor: 2.9 mm

Ordering data Solder pin length

Colou	r r	igui			black	
Pitch 3.50 mm						
Poles	11 3.3 11 mm	(inch)	Otv	Order no.	Order no.	
30	49.00	(1.929)	20	Order no.	1789110000	
		,				
Dimore	ioning of t	ho I ED .~	rocietor	24 V		
Dimensioning of the LED-pre-resistance on 24 V						

Ordering data

Solder pin length Colour black						
		DIACK				
Pitch 3.50 mm Poles L1 mm (inch) Qty. 10 14.00 (0.551) 20	Order no.	Order no.				
,						
Dimensioning of the LED-pre-resista	nce on 24 V					

Spring connection socket connectors

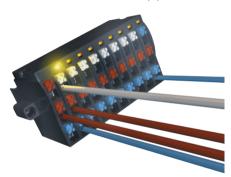


BL I/O 3.5 30-connections

- The pluggable connection level for decentralised I/O electronics
- Directly from the PLC or the industry-PC to the sensor-/actuator level
- Significant reduction of space requirement and reduction of design- and wiring complexity

Integrated LED variants

- Available for all BL I/O types
- Checking the sensor-/actuator wiring before commissioning the PLC
- No need for a LED within the equipment

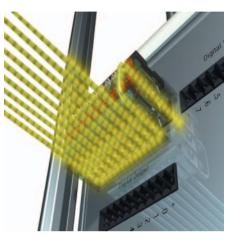


Circuit diagram BL I/O 3.5 30-connections with SL 3.5 10-connections

- The direct connection for sensors and actuators including supply voltage
- Applicable for external and internal feeding-in possibilities

Integrated potential distribution

- 8-channel I/O connection level with integrated potential distribution in the 2nd and 3rd row (24 connections)
- 2 channels (6 connections outside) for feeding in, passing through or by-passing of the supply voltage



BL I/O 3.5 10-connections

 For customers which want to work further on with conventional terminal blocks or transfer modules

Accessories

Coding element

See page L.9



