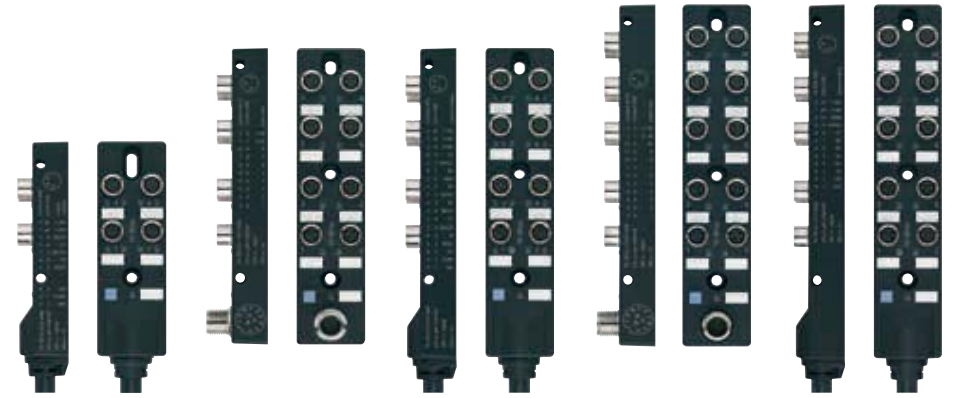


Dimensional drawings see page 220.



Product line	Quant. I/O	Pins I/O	Connection
M8x1	4	3	S370®
			M12x1_8 pins
	8	3	S370®
			M12x1_12 pins
M8x1 logic	4	3	M12x1_5 pins
			M12x1_5 pins
	8	3	M12x1_5 pins
			M12x1_5 pins
M8x1	m ↑	3	Jumper

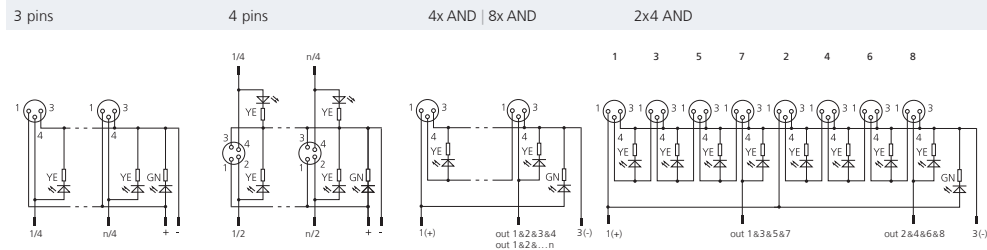
I/O-junction boxes M8x1

Technical data

Rated voltage [U _{max}]	10...30V	
Current load [I _{max}]	2A per signal contact Total current: 6A (Cable) 2A (M12x1_8 pins) 1,5A (M12x1_12 pins)	
Switching function	PNP	
Insulation resistance	≥10 ⁸ Ω	
Standards	IEC 61076-2-104	
Materials	Housing	PA, BK
	Contact carrier	PBT
	Contacts	CuZn, gold-plated
	Sealing	FPL /FKM
Thread insert Flange housing	GD-Zn, nickel-plated	
Ambient temperature	-30°C...+90°C	
Degree of pollution	3	
Protection class (installed)	IP67	
Mechanical life cycle	>100 mating cycles	
Accessories	safety-stopper (2 pieces included in scope of supply) (page 225)	
	For labels see accessories on page 227. M12x1 connecting cable	

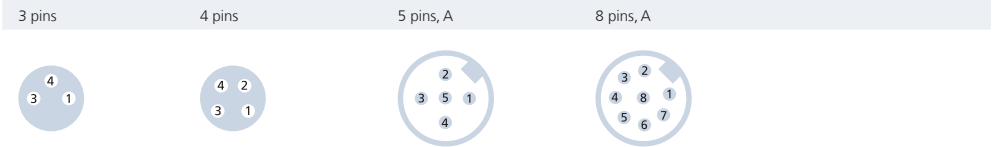
Wiring

Hard-wired logic (AL-SSP3-AS/S2065 necessary for open I/Os)



Pinning | M8x1 *female*

Pinning | M12x1 *male*



I/O_M8x1	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	10	all	all
M8x1_contacts	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	4	1	3
M12_12 pins	3	-	4	-	6	-	8	-	5	-	9	-	7	-	10	-	11	12	1	2
M12_8 pins	1	-	2	-	3	-	4	-	-	-	-	-	-	-	-	-	-	-	5	7
Wire-colours	WH	GY/PK	GN	RD/BU	YE	WH/GN	GY	BN/GN	PK	WH/YE	RD	YE/BN	BK	WH/GY	VT	GY/BN	WH/PK	BN/PK	BN (+)	BU (-)

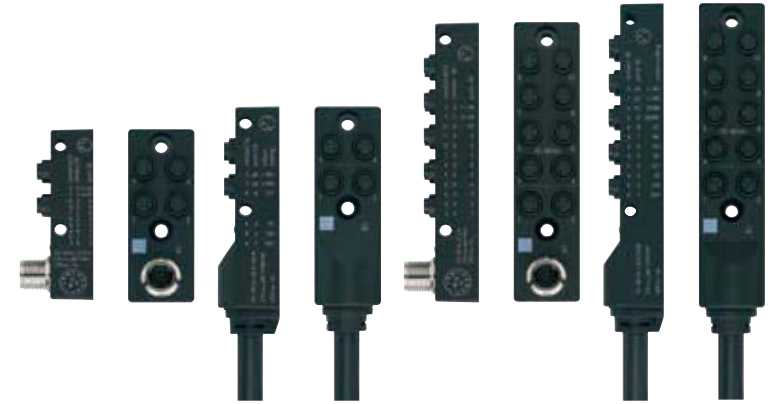
I/O junction boxes

I/O junction boxes

Dimensional drawings see page 221



Product line	Quant. I/O	Pins I/O	Connection
Ø8snap	4	3	S370 [®]
			P01 [®]
	4	3	M12x1_8 pins
			S370 [®]
	10	3	P01 [®]
			M12x1_12 pins
			S370 [®]
			P01 [®]
			M12x1_12 pins
			M12x1_12 pins



I/O-junction boxes Ø8mm snap

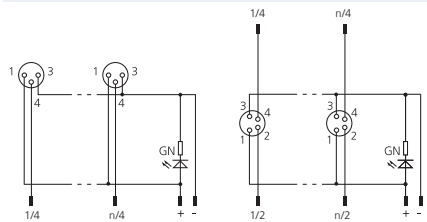
Technical data

Rated voltage [U _{max}]	10...30V	
Current load [I _{max}]	2A per signal contact	
	Total current: 6A (Cable) 2A (M12x1_8 pins) 1,5A (M12x1_12 pins)	
Switching function	PNP	
Insulation resistance	≥10 ⁸ Ω	
Standards	IEC 61076-2-104	
Materials	Housing	PA, BK
	Contact carrier	PBT
	Contacts	CuZn, gold-plated
	Sealing	FPL /FKM
	Thread insert Flange housing	GD-Zn, nickel-plated
Ambient temperature	-30°C...+90°C	
Degree of pollution	3	
Protection class (installed)	IP67	
Mechanical life cycle	>100 mating cycles	
Accessories	safety-stopper (2 pieces included in scope of supply) (page 225) For labels see accessories on page 227. M12x1 connecting cable	

Wiring

3 pins

4 pins



Pinning | M8x1 female

3 pins

4 pins

Pinning | M12x1 male

5 pins, A

8 pins, A



I/O_M8x1	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	10	all	all
M8x1_contacts	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	4	1	3
M12_12 pins	3	5	4	9	6	7	8	10	-	-	-	-	-	-	-	-	11	12	1	2
M12_12 pins	3	-	4	-	6	-	8	-	5	-	9	-	7	-	10	-	11	12	1	2
M12_8 pins	1	-	2	-	3	-	4	-	-	-	-	-	-	-	-	-	-	-	5	7
Wire-colours	WH	GY/PK	GN	RD/BU	YE	WH/GN	GY	BN/GN	PK	WH/YE	RD	YE/BN	BK	WH/GY	VT	GY/BN	WH/PK	BN/PK	BN (+)	BU (-)



Dimensional drawings see page 224

top

front

cable

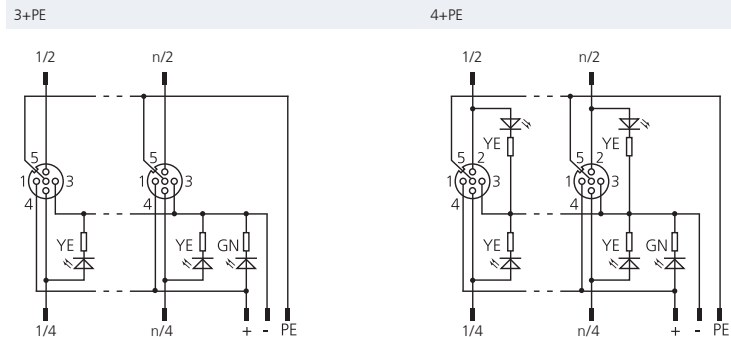
I/O-junction boxes M12x1

Technical data

Rated voltage [U _{max}]	10...30V		
Current load [I _{max}]	2 A per signal contact 12 A total current		
Switching function	PNP		
Insulation resistance	≥ 10 ⁸ Ω		
Standards	IEC 61076-2-101		
Materials	Housing	PA, BK	
	M12x1 M23x1	Thread insert Flange housing	GD-Zn, nickel-plated
		Contact carrier	PBT
		Contacts	CuZn, gold-plated
		Sealing	FPL /FKM
Ambient temperature	-30°C...+90°C		
Degree of pollution	3		
Protection class (installed)	IP67		
Mechanical life cycle	>100 mating cycles		
Accessories	safety-stopper (2 pieces included in scope of supply) (page 225)		
	For labels see accessories on page 227. M23x1 connecting cable (page 186 - 187)		

Product line	Quant. I/O	Pins I/O Coding	LED-display U _B signal per I/O	Connection	
M12x1	4	3+PE A	1x GN 4x1 YE	top	M23x1_12 pins
				front	M23x1_12 pins
				cable	PUR S370 [®]
	4+PE A	1x GN 4x2 YE	top	M23x1_19-pins	
			front	M23x1_19-pins	
			cable	PUR S370 [®]	
6	3+PE A	1x GN 6x1 YE	top	M23x1_12 pins	
			front	M23x1_12 pins	
			cable	PUR S370 [®]	
	4+PE A	1x GN 6x2 YE	top	M23x1_19-pins	
			front	M23x1_19-pins	
			cable	PUR S370 [®]	
8	3+PE A	1x GN 8x1 YE	top	M23x1_12 pins	
			front	M23x1_12 pins	
			cable	PUR S370 [®]	
	4+PE A	1x GN 8x2 YE	top	M23x1_19-pins	
			front	M23x1_19-pins	
			cable	PUR S370 [®]	

Wiring



Pinning | female

M12x1 | 3+PE-pins, A M12x1 | 4 pins+PE, A M23x1 | 12 pins M23x1 | 19-pins



I/O_M12x1	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	all	all	all
M12_contacts	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	1	3	5
M23_12 pins	-	1	-	2	-	3	-	4	-	5	-	6	-	7	-	8	11	9+10	12
M23_19-pins	7	15	4	5	8	16	14	3	9	17	13	2	10	11	18	1	19	6	12
Wire-colours	GY/PK	WH	RD/BU	GN	WH/GN	YE	BN/GN	GY	WH/YE	RK	YE/BN	RD	WH/GY	BK	GY/BN	VT	BN (+)	BU (-)	GN/YE

I/O junction boxes

I/O junction boxes