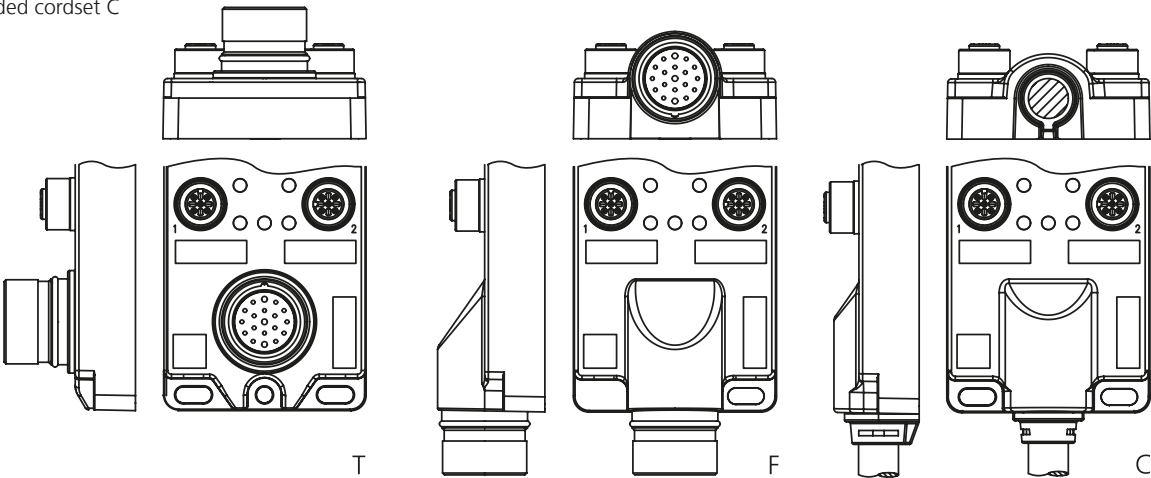
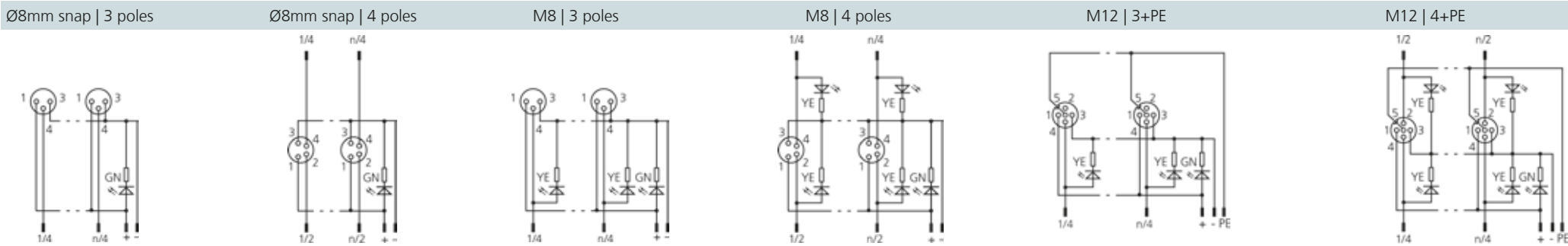


Nomenclature

8	I/O	M8-	3	P2	T	L	/S370
Quantity of I/O-ports		I/O-junction box	Contacts	PNP Quantity LEDs + circuit	Connection T: top F: front C	Cable length [m] w	Cable qu
		I/O port M8, Ø8mm snap (S8) M12					



Cable	Material	UL	Color	Features	drag chain-adapted	torsion resistant	welding sparks resistant
P01	PVC/PVC	✓	GY				
S370	PUR/PP	✓	BK		✓	✓	✓

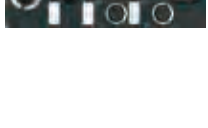


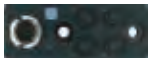
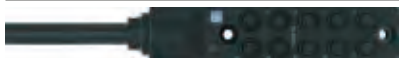


I/O-junctions | passive

Technical data	M12	M8	Ø8mm snap
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5 m\Omega$	$\leq 5 m\Omega$	$\leq 5 m\Omega$
Ambient temperature product	-30°C...+90°C	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK	Plastic, PA, BK	Plastic, PA, BK
Sealing (female) material	FPM/FKM	FPM/FKM	FPM/FKM
Standards	IEC 61076-2-101	IEC 61076-2-104	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67	IP65, IP67	IP65, IP67
Mechanical life-cycle	>100 mating cycles	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3	3

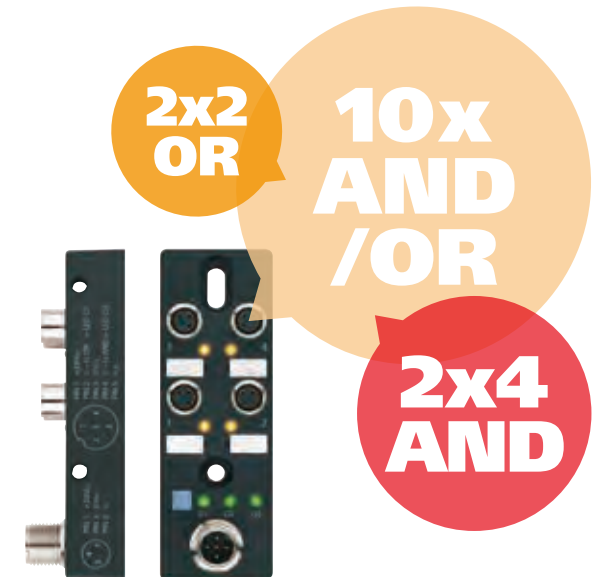
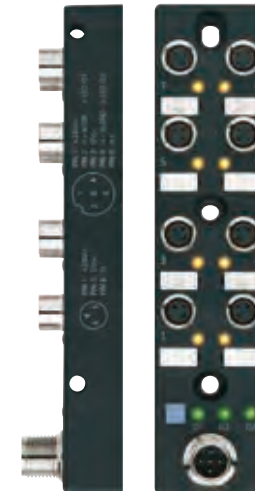
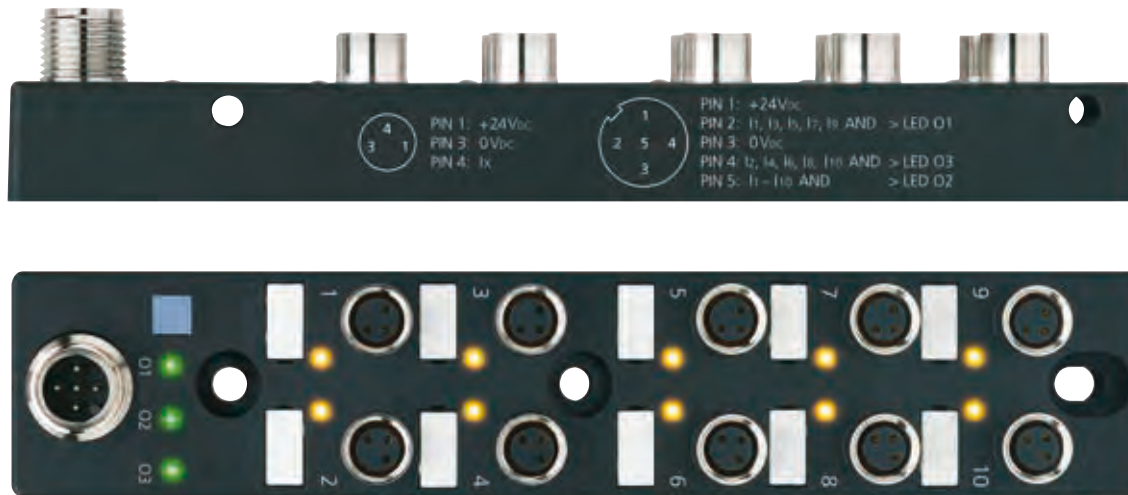
M8- and M12-passive junctions from ESCHA particularly stand out for their compact housing style as well as their flexible fixing possibilities. They are predestined for harsh industrial applications through the proven full potting and a metal thread insert meeting protection classes IP65 and IP67 high requirements. Thanks to different outlets (fixed cable-, top- or front connection) you always find what you are looking for.

		I/O					L = cable length				
			Exit	Port	$\Sigma I_{[max]}$	Item description	Male	2m	5m	10m	15m
	I/O-junction passive, M12, Top	4	3+PE	M23x1, 12 poles	12A	4I/OM12-L.4P2T	8048790				
			4+PE	M23x1, 19 poles	12A	4I/OM12-LP3T	8045895				
	I/O-junction passive, M12, Front	4	3+PE	M23x1, 12 poles	12A	4I/OM12-L.4P2F	8048791				
			4+PE	M23x1, 19 poles	12A	4I/OM12-LP3F	8045891				
	I/O-junction passive, M12, Cable	4	3+PE		12A	4I/OM12-L.4P2C-L/S370		8048792			
			4+PE		12A	4I/OM12-LP3C-L/S370		8045894			
	I/O-junction passive, M12, Top	6	3+PE	M23x1, 12 poles	12A	6I/OM12-L.4P2T	8048787				
			4+PE	M23x1, 19 poles	12A	6I/OM12-LP3T	8045896				
	I/O-junction passive, M12, Front	6	3+PE	M23x1, 12 poles	12A	6I/OM12-L.4P2F	8048788				
			4+PE	M23x1, 19 poles	12A	6I/OM12-LP3F	8045892				
	I/O-junction passive, M12, Cable	6	3+PE		12A	6I/OM12-L.4P2C-L/S370		8048789			
			4+PE		12A	6I/OM12-LP3C-L/S370		8045893			
	I/O-junction passive, M12, Top	8	3+PE	M23x1, 12 poles	12A	8I/OM12-L.4P2T	8048784				
			4+PE	M23x1, 19 poles	12A	8I/OM12-LP3T	8045647				
	I/O-junction passive, M12, Front	8	3+PE	M23x1, 12 poles	12A	8I/OM12-L.4P2F	8048785				
			4+PE	M23x1, 19 poles	12A	8I/OM12-LP3F	8045649				
	I/O-junction passive, M12, Cable	8	3+PE		12A	8I/OM12-L.4P2C-L/S370		8048786			
			4+PE		12A	8I/OM12-LP3C-L/S370		8045648			
	I/O-junction passive, M8, Top	4	3	M12x1, 8 poles	2A	4I/OM8-3P2T	8061747				

							L = cable length				
		I/O	Exit	Port	ΣI[max]	Item description	Male	2m	5m	10m	15m
	I/O-junction passive, M8, Cable	4	3		6A	4I/OM8-3P2C-L/S370		8061768	8061776	8061777	8061778
			4		6A	4I/OM8-4P3C-L/S370		8061783	8061784	8061785	8061786
	I/O-junction passive, M8, Top	8	3	M12x1, 12 poles	1.5A	8I/OM8-3P2T	8061744				
	I/O-junction passive, M8, Cable	8	3		6A	8I/OM8-3P2C-L/S370		8061794	8061796	8061797	8061798
			4		6A	8I/OM8-4P3C-L/S370		8061803	8061804	8061805	8061806
	I/O-junction passive, M8, Top	10	3	M12x1, 12 poles	1.5A	10I/OM8-3P2T	8061633				
	I/O-junction passive, M8, Cable	10	3		6A	10I/OM8-3P2C-L/S370		8061811	8061812	8061813	8061814
	I/O-junction passive, Ø8mm snap, Cable	4	3		6A	4I/OS8-3P1C-L/P01		8062806	8062807	8062808	8062809
			3		6A	4I/OS8-3P1C-L/S370		8062789	8062790	8062791	8062792
			4		6A	4I/OS8-4P1C-L/P01		8062817	8062818	8062819	8062820
			4		6A	4I/OS8-4P1C-L/S370		8062813	8062814	8062815	8062816
	I/O-junction passive, Ø8mm snap, Top	4	3	M12x1, 8 poles	4A	4I/OS8-3P1T	8062601				
			4	M12x1, 12 poles	1.5A	4I/OS8-4P1T	8062599				
	I/O-junction passive, Ø8mm snap, Cable	10	3		6A	10I/OS8-3P1C-L/P01		8062838	8062839	8062840	8062841
			3		6A	10I/OS8-3P1C-L/S370		8062825	8062826	8062827	8062828
	I/O-junction passive, Ø8mm snap, Top	10	3	M12x1, 12 poles	1.5A	10I/OS8-3P1T	8062604				

Nomenclature

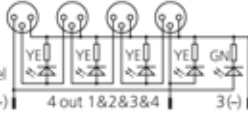
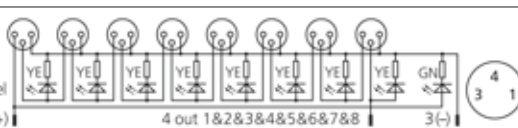
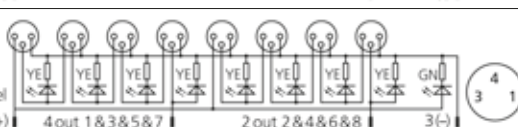
8	I/O	M8-	3	P3	T	8xAND/OR
Quantity of I/O-ports	I/O-junction box	I/O port: M8	Contacts	PNP Quantity LEDs + circuit	Connection: T: top, M12 5 poles	Logic



I/O-junctions | active

Technical data	M8
Insulation resistance	$\geq 10^8 \Omega$
Resistance	$\leq 5 m\Omega$
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK
Sealing (female) material	FPM/FKM
Standards	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3

The extremely compact M8 I/O-junctions with active logic-function are placing intelligence close to sensors transmitting preprocessed signals to a central control unit. In contrast to conventional passive I/O-junctions or fieldbus junctions they provide the advantage of defaulting to a unshielded 4- or 5-pole sensor cable. In this way, wiring costs as well as wiring time are reduced and wiring errors are averted. The junctions do not have to be programmed by the user due to a predefined logic and can thus be immediately operational. They are especially adapted for grippers, robots or compact handling units.

		I/O		ΣI_{max}	Item description	Item-No.	
	I/O-junction active, M8, Top 4x active AND/OR Circuit logic	4	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1-I4 OR > LED O1 PIN 3: 0Vdc PIN 4: I1-I4 AND > LED O3 PIN 5: n.c.	1A	4I/OM8-3P3T 4x AND/OR	8081123
	I/O-junction active, M8, Top 2x2 active AND Circuit logic	4	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1, I3 AND > LED O1 PIN 3: 0Vdc PIN 4: I2, I4 AND > LED O3 PIN 5: I1-I4 AND > LED O2	1A	4I/OM8-3P4T 2x2 AND	8081125
	I/O-junction active, M8, Top 2x2 active OR Circuit logic	4	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1, I3 OR > LED O1 PIN 3: 0Vdc PIN 4: I2, I4 OR > LED O3 PIN 5: I1-I4 OR > LED O2	1A	4I/OM8-3P4T 2x2 OR	8081127
	I/O-junction active, M8, Top 8x active AND/OR Circuit logic	8	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1-I8 OR > LED O1 PIN 3: 0Vdc PIN 4: I1-I8 AND > LED O3 PIN 5: n.c.	1A	8I/OM8-3P3T 8x AND/OR	8081129
	I/O-junction active, M8, Top 2x4 active AND Circuit logic	8	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1, I3, I5, I7 AND > LED O1 PIN 3: 0Vdc PIN 4: I2, I4, I6, I8 AND > LED O3 PIN 5: I1-I8 AND > LED O2	1A	8I/OM8-3P4T 2x4 AND	8081131
	I/O-junction active, M8, Top 2x4 active OR Circuit logic	8	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1, I3, I5, I7 OR > LED O1 PIN 3: 0Vdc PIN 4: I2, I4, I6, I8 OR > LED O3 PIN 5: I1-I8 OR > LED O2	1A	8I/OM8-3P4T 2x4 OR	8081133
	I/O-junction active, M8, Top 10x active AND/OR Circuit logic	10	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1-I10 OR > LED O1 PIN 3: 0Vdc PIN 4: I1-I10 AND > LED O3 PIN 5: n.c.	1A	10I/OM8-3P3T 10x AND/OR	8081135
	I/O-junction active, M8, Top 2x5 active AND Circuit logic	10	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 PIN 1: +24Vdc PIN 2: I1, I3, I5, I7, I9 AND > LED O1 PIN 3: 0Vdc PIN 4: I2, I4, I6, I8, I10 AND > LED O3 PIN 5: I1-I10 AND > LED O2	1A	10I/OM8-3P4T 2x5 AND	8081137
	I/O-junction active, M8, Top 4x passive AND Circuit logic	4	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 U _{max} : 30V I _g : 4A I _{max} : 2A/channel LED _{int} : signal	4A	4I/OM8-3P2T 4x passiv AND	8062606
	I/O-junction active, M8, Top 8x passive AND Circuit logic	8	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 U _{max} : 30V I _g : 4A I _{max} : 2A/channel LED _{int} : signal	4A	8I/OM8-3P2T 8x passiv AND	8062608
	I/O-junction active, M8, Top 2x4 passive AND Circuit logic	8	 PIN 1: +24Vdc PIN 3: 0Vdc PIN 4: Ix	 U _{max} : 30V I _g : 4A I _{max} : 2A/channel LED _{int} : signal	4A	8I/OM8-3P2T 2x4 passiv AND	8062610
	Simulation plug male, M8x1, straight	3		for open I/O	AL-SSP3-AS/S2065	8063927	

Nomenclature

W	MK	C	E	C	U	19-	L	.001	L	/S370
W: angled without: straight	female	Field-wireable	V4A locking mechanism	Round connector M23	Molded	Pins	Connecting type of field-wireables L: soldering-contact C: crimp-contact	Allocation-code	Cable length [m] including wire-end sleeves	Cable quality



Cable	Material	UL	Color	Feature	drag chain-adapted	torsion resistant	welding sparks resistant
S370	PUR/PP	✓	BK		✓	✓	✓

M23