



SENSOR/ACTUATOR Connectors for the automation industry



M8 Connectors



M

		male				female		male		male													
screwable										push-pull													
unshielded								shielded				unshielded			shielded								
	grip body with thread	LED		grip body with thread		grip body with thread												Available polarities					
	↶	↶	↑	↑	↶	↶	↑	↶	↑	↶	↑	↶	↑	↶	↑	↶							
4 PE 12	4	3, 4, 5	3, 4 4+PE 5, 8, 12	4	3, 4 4+PE 5, 8, 12	4	3, 4, 5 8, 12	3, 4 4+PE 5, 8, 12	3, 4 4+PE 5, 8, 12	3, 4, 5 8, 12	P00 PVC/P												
4 PE 12	4	3, 4, 5	3, 4 4+PE 5, 8, 12	4	3, 4 4+PE 5, 8, 12	4	3, 4, 5 8, 12	3, 4 4+PE 5, 8, 12	3, 4 4+PE 5, 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	P01 PVC/P										
4 PE	4	3, 4, 5	3, 4 4+PE	4	3, 4 4+PE	4					3, 4 4+PE	3, 4 4+PE				P01BK PVC/P							
4 PE 12	4	3, 4, 5	3, 4 4+PE 5, 8, 12	4	3, 4 4+PE 5, 8, 12	4	3, 4, 5 8, 12	3, 4 4+PE 5, 8, 12	3, 4 4+PE 5, 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	S370 PUR/P										
4 PE 12	4	3, 4, 5	3, 4 4+PE 5, 8, 12	4	3, 4 4+PE 5, 8, 12	4	3, 4, 5 8, 12	3, 4 4+PE 5, 8, 12	3, 4 4+PE 5, 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	3, 4, 5 8, 12	S3700 PUR/P										
4 PE	4	3, 4, 5	3, 4 4+PE 5	4	3, 4 4+PE 5	4					3, 4 4+PE 5	3, 4 4+PE 5				S7400 PUR/P roboti							
4 PE 12	4	3, 4, 5	3, 4 4+PE 5, 8, 12	4	3, 4 4+PE 5, 8, 12	4					3, 4 4+PE 5, 8, 12	3, 4 4+PE 5, 8, 12				S400 PUR/P easy							

M8 Receptacle



		Mounting thread →	female M8x0,5	male M8x0,5			female M10x1	male M8x1	
		Mounting type →	Front wall mounting			Back wall mounting			
Connecting type ↓		Housing material → Available polarities ↴	Nickel-plated	Stainless steel	Nickel-plated	Stainless steel	Nickel-plated	Stainless steel	
①	Wire connection	straight	3, 4, 5, 8	3, 4, 5	3, 4, 5, 8	3, 4, 5	3, 4, 5, 8	3, 4, 5	
②	Print connection	straight					3, 4, 5, 8	3, 4, 5	
③	Print contact shielded	straight					3, 4, 5, 8		
④	Print contact shielded	angled					3, 4, 5		

M12 Receptacle all versions also M12 push-pull



* push-pull Stainless steel versions available on request

** push-pull versions not with PG9 mounting thread

		Mounting type →	female		male				female		male	
		Housing material → Mounting thread ↴	Nickel-plated	Stainless steel*	Nickel-plated	Stainless steel*			Nickel-plated	Stainless steel*	Nickel-plated	Stainless steel*
①	Wire connection	straight 3, 4, 4+PE, 5, 8, 12-poles A-coded	M12x1 M16x1.5 PG9**	M16x1.5 M16x1.5 PG9 **	M12x1 M16x1.5 PG9 **	M16x1.5 M16x1.5 PG9 **			M12x1 M16x1.5 PG9 **	M16x1.5 M16x1.5 PG9 **	M16x1.5 M16x1.5 PG9 **	
②	Wire connection coding positionable	straight 3, 4, 4+PE, 5, 8, 12-poles A-coded	M16x1.5 PG9 **	M16x1.5	M16x1.5 PG9 **	M16x1.5						
③	Print connection	straight 3, 4, 4+PE, 5, 8, 12-poles A-coded					M12x1 M16x1.5 PG9 **	M16x1.5	M12x1 M16x1.5 PG9 **	M16x1.5	M16x1.5	
④	Print connection shielded	straight 3, 4, 4+PE, 5, 8, 12-poles A-coded					M16x1.5 PG9 **		M16x1.5 PG9 **			

Valve connector

All versions are available in cable qualities
PVC (P00), PVC with UL, (P01) and PUR
(S370).

U[max] I[max] →		24VAC/DC 4A				23VAC/DC 4A						
Housing style →		A	AA	AAG	DA	B/BI	C/CI	A	AA	AAG	B/BI	C/CI
2+PE								without	Transil-diode		without*	without
2+PE PE-jumpered		without	Transil-diode	without	Transil-diode	Transil-diode		without	Z-Diode	without	Varistor	Varistor
3+PE			Transil-diode							without		
3+PE wire-connection		without		without	without							

* optionally without LED

M12 Field-wireable



Housing style →		female				male					
		shielded	unshielded				shielded	unshielded			
Connecting type											
Available polarities ↴		↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Screw-/Clamp		4, 5, 8	4, 5, 8	4, 5, 8	5	5		4, 5, 8	4, 5, 8	4, 5, 8	5
Soldering contact		12	12	12				12	12	12	
IDC-connection							3, 4	4			3, 4



Y-Splitter with cable outlet



↓	Available polarities ↴ Cable qualities ↓	OUT 1 + 2 → M8				M12				Valve connector			Pigtails	M12 shielded	
		Female		Male		Female		Male		A	B BI	C CI		Male	Female
		↑	↶	LED ↶	↑	↑	↶	LED ↶	↑	↑	↑	↑		↑	↑
1	PVC P00				3				3				4		
ale poles	PUR S370				3				3				4		
	PUR S7400				3				3				4		
e poles	PVC P00	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
	PUR S370	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
	PUR S7400	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
2	PVC P00				3				3				4		
ale poles	PUR S370				3				3				4		
	PUR S7400				3				3				4		
2	PVC P00	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
e poles	PUR S370	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
	PUR S7400	3, 4	3, 4	3, 4		3, 4	3, 4	3, 4					4		
2	PVC P00									2+PE PE jumpered	2+PE	2+PE PE jumpered			
e poles	PUR S370									2+PE PE jumpered	2+PE	2+PE PE jumpered			
2	PUR S370												5	5	

Accessories



1000



100



M8					Ø8mm snap				M12									
	8		10		4		10		4				6			8		
4	3	3, 4	3	3, 4	3, 4	3	3	3	3+PE 4+PE				3+PE 4+PE			3+PE 4+PE		
ble	Top	Cable	Top	Cable	Top	Cable	Top	Cable	Top	Front	Cable	Top	Front	Cable	Top	Front	Cable	
R	M12	PUR	M12	PUR	M12	PUR	M12	PUR/S370	M23	M23	PUR	M23	M23	PUR	M23	M23	PUR	
70	12	S370	12	S370	8 12	S370	12	PVC/P01	12 19	12 19	S370	12 19	12 19	S370	12 19	12 19	S370	



ROUND CONNECTOR	RECEPTACLES	Y- T-SPLITTER	ADAPTER	I/O MODULE	VALVE CONNECTOR
<ul style="list-style-type: none"> Single- double-ended cordsets <p>M12 A-coded</p> <ul style="list-style-type: none"> Polarity: 3, 4, 4+PE, 5, 8, 12 LED-version 360°-shielded: 3, 4, 5, 8, 12 Grip body with thread for protective hose Coupling nut: Nickel-plated, Plastic (4 Colors) <p>M12 push-pull A-coded</p> <ul style="list-style-type: none"> Polarity: 3, 4, 4+PE, 5, 8, 12 360°-shielded: 3, 4, 5, 8, 12 <p>M8</p> <ul style="list-style-type: none"> Polarity: 3, 4, 5, 8 LED-Version, 360°-shielded <p>Ø8mm snap</p> <ul style="list-style-type: none"> Polarity: 3, 4, 5 With locking mechanism Good media- and temperature resistance IP65 IP67 IP68 UL-approved Protective caps, protective plugs, marking accessories 	<ul style="list-style-type: none"> Back- Front wall mounting Wire contact Print contacts Housing: Nickel-plated, <p>M12 + M12 push-pull A-coded</p> <ul style="list-style-type: none"> Polarity: 3, 4, 4+PE, 5, 8, 12 Coding location positionable (Front wall installation) 360°-shielded (Print) Screw-in thread: M12x1 M16x1.5 PG9 <p>M8</p> <ul style="list-style-type: none"> Polarity: 3, 4, 5, 8 Straight+ angled (Print) 360°-shielded (Print) Screw-in thread: M8x0.5 M8x1 Good media- and temperature resistance IP65 IP67 IP68 Protective caps, protective plugs, marking accessories, assembly and fastening accessories 	<ul style="list-style-type: none"> Housing style: S89 MB S55 T-Splitter Y-Splitter Y-Splitter with cable outlet LED-Versions <p>M12 A-coded</p> <ul style="list-style-type: none"> Polarity: 3, 4, 5, 8, 12 LED-Versions AND-Circuit logic 360°-shielded <p>M8</p> <ul style="list-style-type: none"> Polarity: 3, 4 LED-Versions 3 Cable qualities PUR/PVC Good media- and temperature resistance IP65 IP67 IP68 UL-approved Protective caps, protective plugs, marking accessories, assembly and fastening accessories 	<p>M12 > M12</p> <ul style="list-style-type: none"> A-coded 5-poles female > female male > male <p>M8 > M12</p> <ul style="list-style-type: none"> M8 female > M12 male 3-, 4-poles <p>M8 > M8</p> <ul style="list-style-type: none"> 3-pol. female > 4-pol. male 4-pol. female > 3-pol. male <p>M12 > Valve connector</p> <ul style="list-style-type: none"> A-coded, 5-poles > housing style A 24V/4A 2+PE jumpered without protection circuit 24V/4A 2+PE jumpered with suppressor diode 24V/4A 3+PE Litze without protection circuit 60V/4A 2+PE jumpered without protection circuit Good media- and temperature resistance IP65 IP67 IP68 	<p>M12 + M12 push-pull A-coded</p> <ul style="list-style-type: none"> Ports/poles count: 4, 6, 8 / 3+PE, 4+PE-poles Exit/poles count: fixed cable connection (PUR), Top, Front: M23 /12-, 19-poles <p>M8</p> <ul style="list-style-type: none"> Ports/poles count: 4, 8, 10 / 3-, 4-poles Exit/poles count: fixed cable connection (PUR), Top: M12 / 8-, 12-poles optional passive circuit logic 4xAND, 8xAND, 2x4 AND <p>Ø8mm snap</p> <ul style="list-style-type: none"> Ports/poles count: 4, 10 / 3-, 4-poles Exit/poles count: Top, M12: 8-, 12-poles Fixed cable connections two cable qualities Good media- and temperature resistance IP65 IP67 IP68 Protective caps, protective plugs, marking accessories 	<ul style="list-style-type: none"> Single- double-ended cordsets 24V/4A 230V/4A with/without protection circuit Circuit: 2+PE 2+PE jumpered 3+PE 3+PE wire-connection LED-Version <p>Housing style A</p> <ul style="list-style-type: none"> Angled straight straight with grip body with thread for protective hose double-valve connector <p>Housing style B/BI</p> <ul style="list-style-type: none"> Angled <p>Housing style C/CI</p> <ul style="list-style-type: none"> Angled 3 cable qualities PUR/PVC good media- and temperature resistance IP65 IP67 IP68 Protective hoses, Color rings, Marking accessories