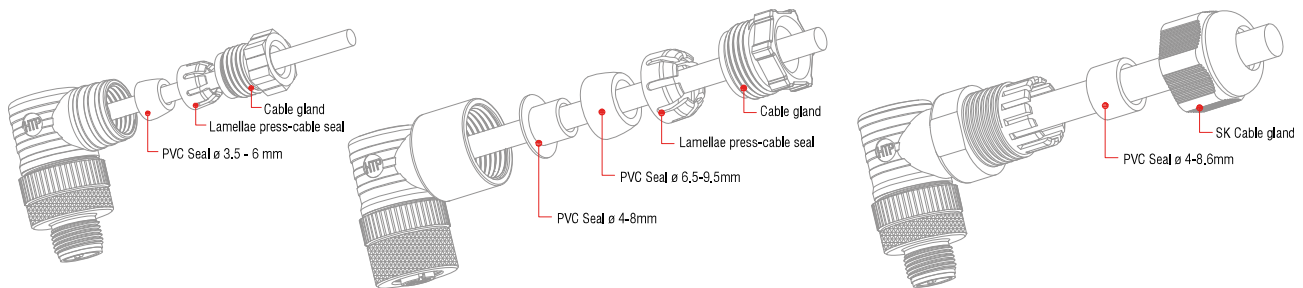
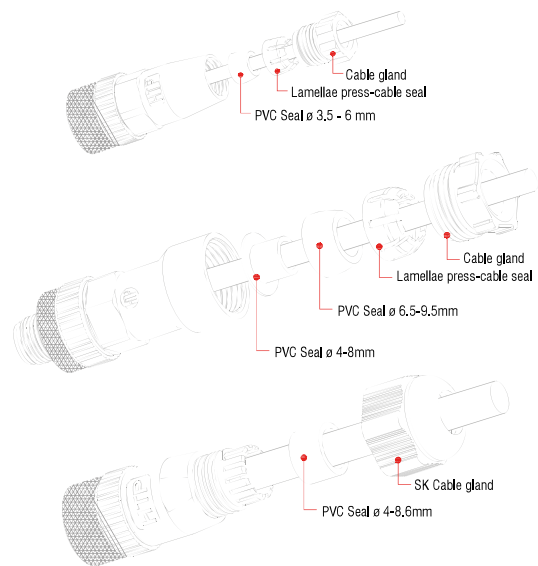
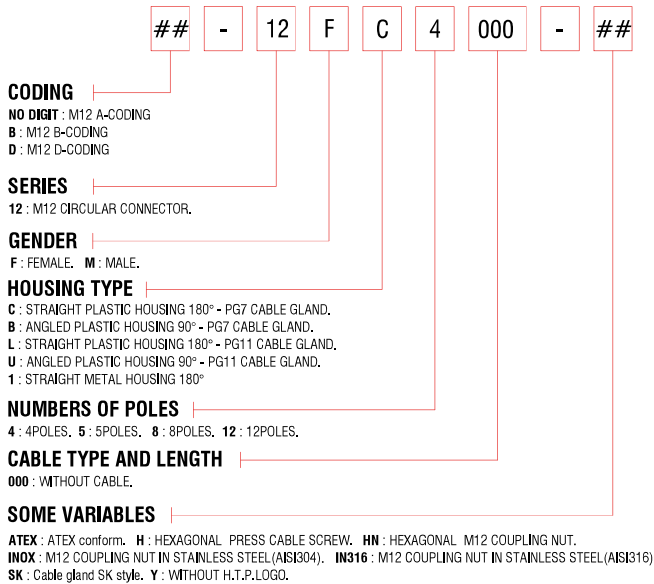


## M12 CIRCULAR CONNECTORS

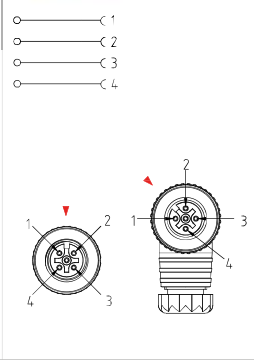
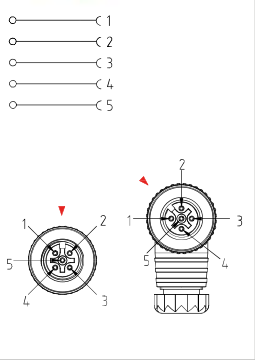
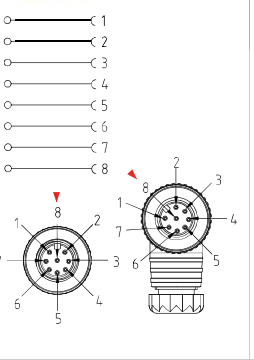
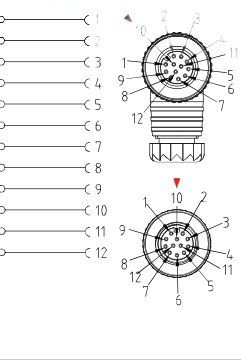
### GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

<b>Cable Gland :</b> <b>Plastic Housing</b> <b>PG7 :</b> $\varnothing$ CABLE 3,5-6mm. <b>PG9 :</b> $\varnothing$ CABLE 4-8mm. <b>PG11 :</b> $\varnothing$ CABLE 6,5-9,5mm. <b>SK :</b> $\varnothing$ CABLE 4-8,6mm. <b>Metal Housing :</b> $\varnothing$ CABLE 4-8mm.	<b>Max. screw torque IEC60947-1 :</b> Contact screw torque 0,2N*m. M12 coupling nut torque 0,4N*m.	<b>Internal core material :</b> PA66 UL94-V2.	<b>Protection class :</b> IP65/67 (assembled).
<b>Conductor cross section :</b> 0,14(26AWG)...0,75mm <sup>2</sup> (18AWG).	<b>Type of terminations :</b> Screw. Solder wires(12 poles).	<b>Coupling nut material :</b> Brass + Nickel plated. Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).	<b>Operating temperature :</b> -40°C +90°C. -25°C +85°C(metal housing).
<b>Fixing system :</b> M12 coupling nut.	<b>Contact material and treatment :</b> Brass + Gold flash.	<b>Flammability resistance :</b> UL94-V2 - Standard. UL94-V0 - ATEX approved (upon request).	
	<b>Housing material :</b> PA66 UL94-V2. Brass + Nickel plated.		



## M12 CIRCULAR CONNECTORS



Technical drawing										
<b>Product description</b>										
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	<b>12FC4000</b>	<b>12FB4000</b>	<b>12FC5000</b>	<b>12FB5000</b>	<b>12FC8000</b>	<b>12FB8000</b>	<b>12FC12000</b>	<b>12FB12000</b>		
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°		
Cable gland	PG7 standard		PG7 standard		PG7 standard		PG7 standard		PG7 standard	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Female		Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles			
Housing colour	Black		Black		Black		Black			
<b>Technical data</b>										
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts			
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-			
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2			
Contacts material	Brass + Gold flash		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash			
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round			
M12 coupling nut material	Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated			
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m			
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC			
Rated current	4A		4A		2A		1.5A			
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C			
O-ring material	NBR		NBR		NBR		NBR			
Suitable cable	ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm			
<b>Packaging</b>										
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag			
<b>Other accessories options</b>										
See accessories section										
<b>Notes:</b>										
Connectors available with different features: See the general features and codification scheme page										