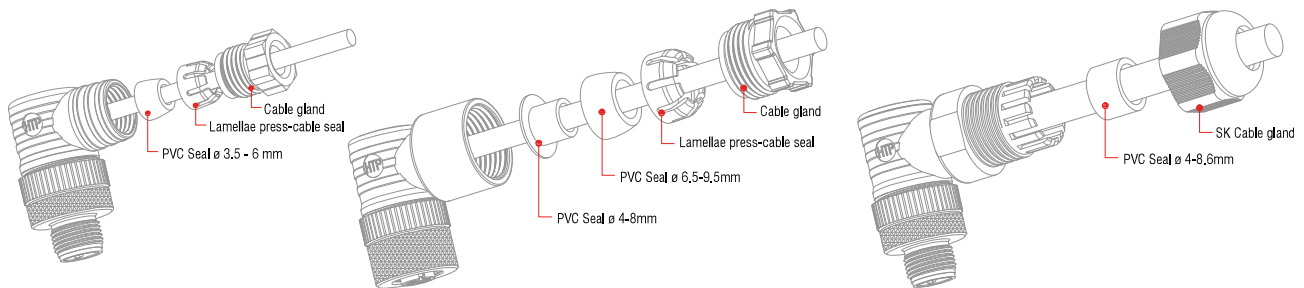
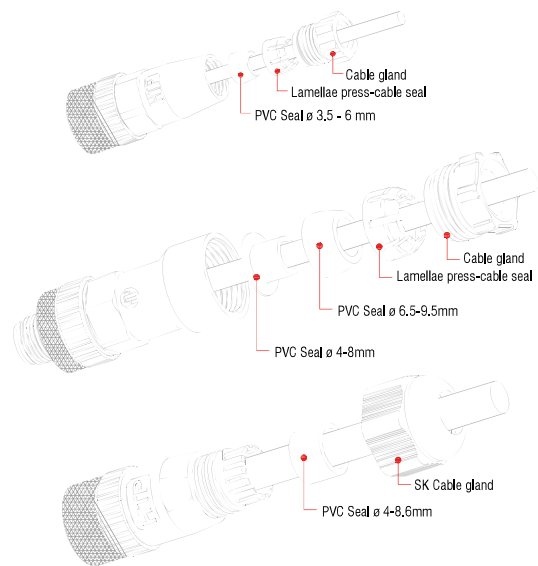
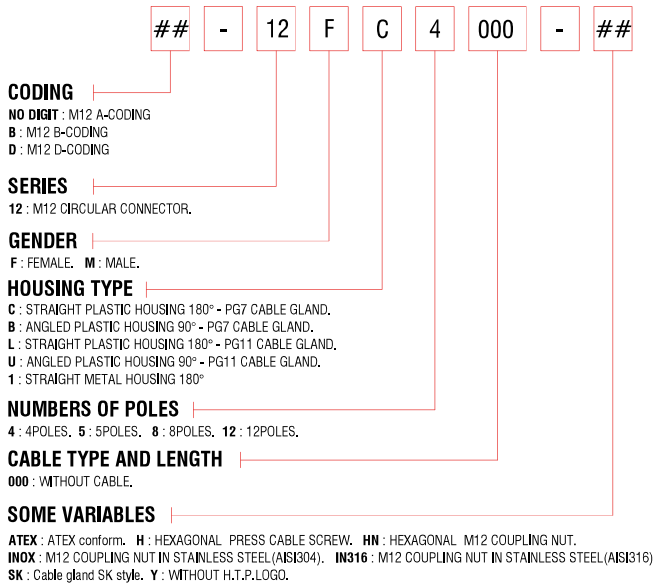


M12 CIRCULAR CONNECTORS

GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

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



M12 CIRCULAR CONNECTORS



Technical drawing		1		2		3		4	
Product description									
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	12MC4000	12MB4000	12MC5000	12MB5000	12MC8000	12MB8000	12MC12000	12MB12000	
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	Male		Male		Male		Male		Male
Number of contacts	4poles		5poles		8poles		12poles		
Housing colour	Black		Black		Black		Black		Black
Technical data									
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder 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		PA66 UL94-V2
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round		Knurl round
M12 coupling nut material	Brass+Nickel plated		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		0,4 N*m
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC		30V AC/DC
Rated current	4A		4A		2A		1,5A		1,5A
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C
O-ring material	NBR		NBR		NBR		NBR		NBR
Suitable cable	ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm
Packaging									
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag
Other accessories options									
See accessories section									
Notes:									
Connectors available with different features: See the general features and codification scheme page									