

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.

Type of terminations :

Screw.
Solder wires(12 poles).

Internal core material :

PA66 UL94-V2.

Coupling nut material :

Brass + Nickel plated,
Stainless steel AISI304(upon request),
Stainless steel AISI316(upon request).

Protection class :

IP65/67 (assembled).

Operating temperature :

-40°C +90°C.
-25°C +85°C(metal housing).

Conductor cross section :

0,14(26AWG)...0,75mm²(18AWG).

Contact material and treatment :

Brass + Gold flash.

Flammability resistance :

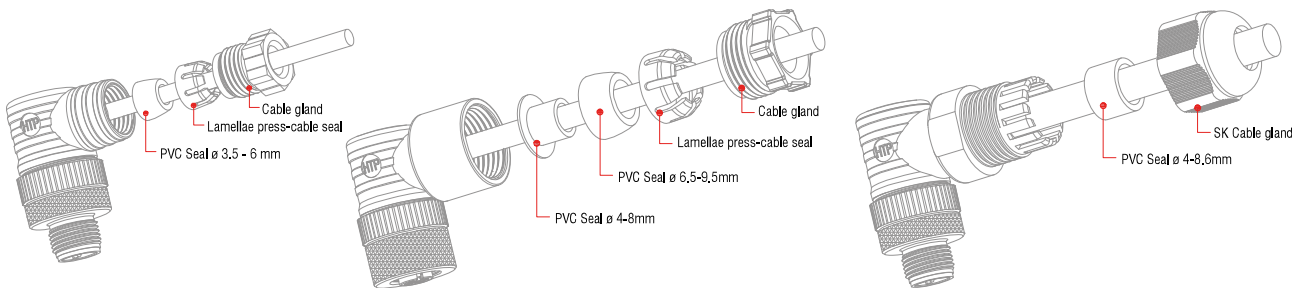
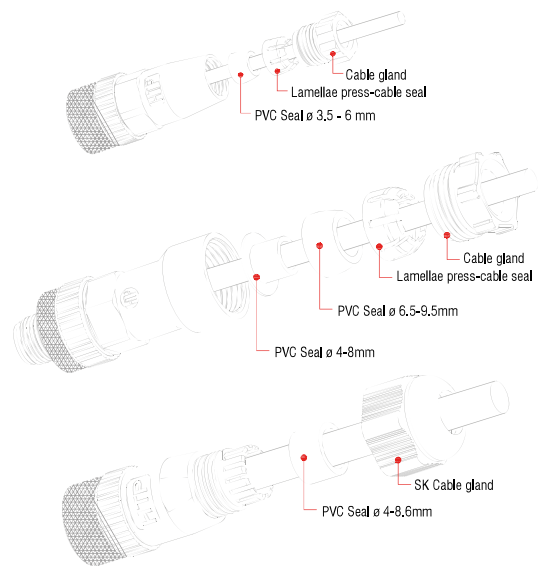
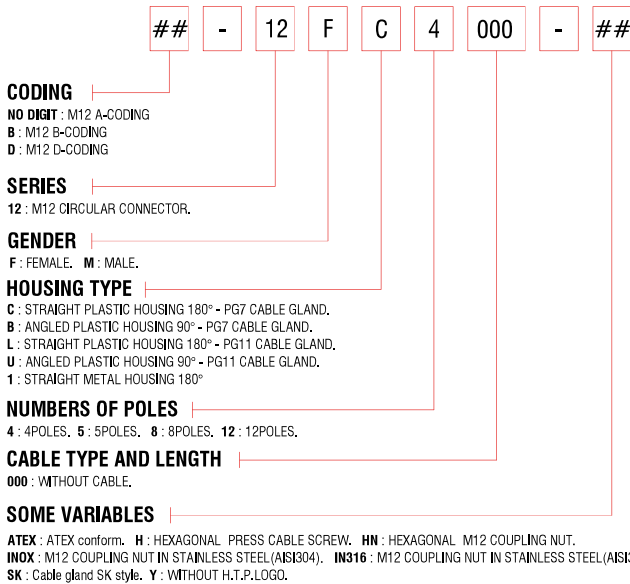
UL94-V2 - Standard.
UL94-V0 - ATEX approved
(upon request).

Fixing system :

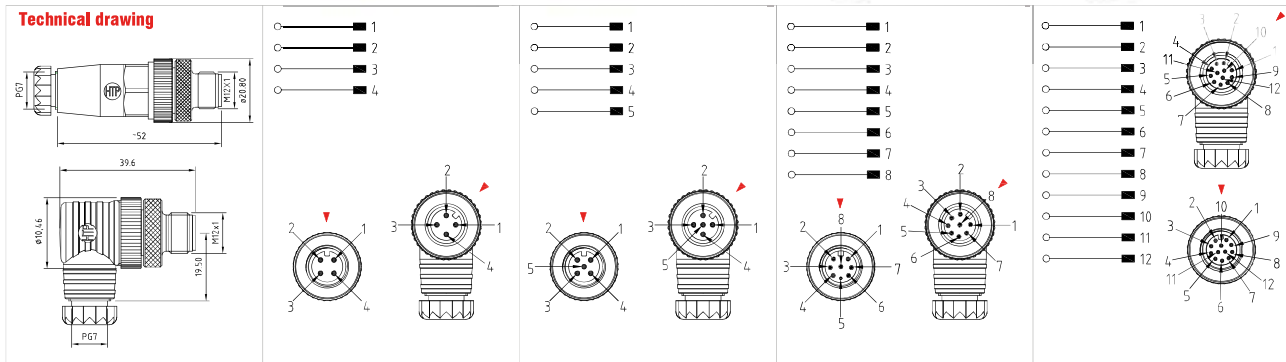
M12 coupling nut.

Housing material :

PA66 UL94-V2.
Brass + Nickel plated.



M12 CIRCULAR CONNECTORS



Product description									
Connector type	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		
Construction type	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		
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		
Contacts type	Male		Male		Male		Male		
Number of contacts	4poles		5poles		8poles		12poles		
Housing colour	Black		Black		Black		Black		

Technical data									
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		

Packaging									
Qty/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