

M12-A Circular Connector

60/125/250V 4A

Technical characteristics

	3-pole	4-pole	5-pole
Rated current (40°C)	4A	4A	4A
Rated voltage	250V	250V	125V
Rated impulse voltage	2500V	2500V	1500V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1	screw M12x1
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	0.34mm²(AWG22)	0.34mm²(AWG22)	0.25mm²(AWG24)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

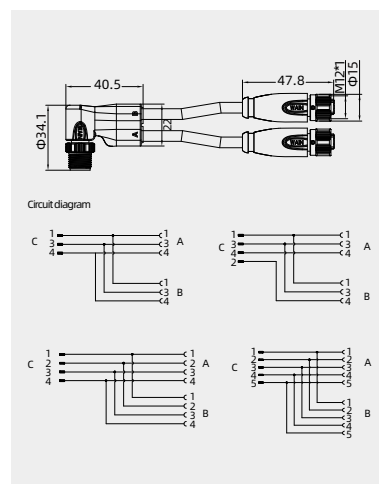
Cable connectors-Y straight head brancher

Male angled cable connector

-female cable connector



Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PVC	1.5 m	M12Y-M03A-S/2M12-F03A-T-1.5-PVC	171 302 003 0310
		5.0 m	M12Y-M03A-S/2M12-F03A-T-5.0-PVC	171 302 003 0312
	3x0.34PUR	1.5 m	M12Y-M03A-S/2M12-F03A-T-1.5-PUR	171 302 003 0311
		5.0 m	M12Y-M03A-S/2M12-F03A-T-5.0-PUR	171 302 003 0313
	3x0.34PVC	1.5 m	M12Y-M04A-S/2M12-F03A-T-1.5-PVC	171 302 004 0309
		5.0 m	M12Y-M04A-S/2M12-F03A-T-5.0-PVC	171 302 004 0311
	3x0.34PUR	1.5 m	M12Y-M04A-S/2M12-F03A-T-1.5-PUR	171 302 004 0310
		5.0 m	M12Y-M04A-S/2M12-F03A-T-5.0-PUR	171 302 004 0312
4	4x0.34PVC	1.5 m	M12Y-M04A-S/2M12-F04A-T-1.5-PVC	171 302 004 0313
		5.0 m	M12Y-M04A-S/2M12-F04A-T-5.0-PVC	171 302 004 0315
	4x0.34PUR	1.5 m	M12Y-M04A-S/2M12-F04A-T-1.5-PUR	171 302 004 0314
		5.0 m	M12Y-M04A-S/2M12-F04A-T-5.0-PUR	171 302 004 0316
5	5x0.25PVC	1.5 m	M12Y-M05A-S/2M12-F05A-T-1.5-PVC	171 302 005 0306
		5.0 m	M12Y-M05A-S/2M12-F05A-T-5.0-PVC	171 302 005 0308
	5x0.25PUR	1.5 m	M12Y-M05A-S/2M12-F05A-T-1.5-PUR	171 302 005 0307
		5.0 m	M12Y-M05A-S/2M12-F05A-T-5.0-PUR	171 302 005 0309

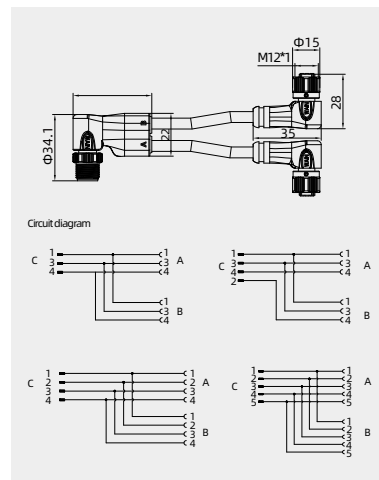


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Contacts	Cable	Cable length	Designation	Order No.	
3	3x0.34PVC	1.5 m	M12Y-M03A-S/2M12-F03A-S-1.5-PVC	171 302 003 0314	
		5.0 m	M12Y-M03A-S/2M12-F03A-S-5.0-PVC	171 302 003 0316	
	3x0.34PUR	1.5 m	M12Y-M03A-S/2M12-F03A-S-1.5-PUR	171 302 003 0315	
		5.0 m	M12Y-M03A-S/2M12-F03A-S-5.0-PUR	171 302 003 0317	
	3x0.34PVC	1.5 m	M12Y-M04A-S/2M12-F03A-S-1.5-PVC	171 302 004 0318	
		5.0 m	M12Y-M04A-S/2M12-F03A-S-5.0-PVC	171 302 004 0320	
	3x0.34PUR	1.5 m	M12Y-M04A-S/2M12-F03A-S-1.5-PUR	171 302 004 0319	
		5.0 m	M12Y-M04A-S/2M12-F03A-S-5.0-PUR	171 302 004 0321	
4	4x0.34PVC	1.5 m	M12Y-M04A-S/2M12-F04A-S-1.5-PVC	171 302 004 0322	
		5.0 m	M12Y-M04A-S/2M12-F04A-S-5.0-PVC	171 302 004 0324	
	4x0.34PUR	1.5 m	M12Y-M04A-S/2M12-F04A-S-1.5-PUR	171 302 004 0323	
		5.0 m	M12Y-M04A-S/2M12-F04A-S-5.0-PUR	171 302 004 0325	
	5	5x0.25PVC	1.5 m	M12Y-M05A-S/2M12-F05A-S-1.5-PVC	171 302 005 0310
			5.0 m	M12Y-M05A-S/2M12-F05A-S-5.0-PVC	171 302 005 0312
5x0.25PUR		1.5 m	M12Y-M05A-S/2M12-F05A-S-1.5-PUR	171 302 005 0311	
	5.0 m	M12Y-M05A-S/2M12-F05A-S-5.0-PUR	171 302 005 0313		



- Other cable lengths can be customized, double-ended connectors, male/female, straight/angled, shielded/unshielded, freely combinable.