

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	0.34mm ² (AWG22)	0.34mm ² (AWG22)	0.25mm ² (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

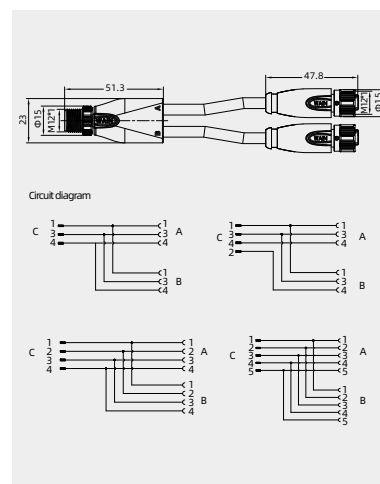
Cable connectors-Y straight head brancher

Male cable connector

-female cable connector



Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PVC	1.5 m	M12Y-M03A/2M12-F03A-T-1.5-PVC	171 302 003 0308
		5.0 m	M12Y-M03A/2M12-F03A-T-5.0-PVC	171 302 003 0309
	3x0.34PUR	1.5 m	M12Y-M03A/2M12-F03A-T-1.5-PUR	171 302 003 0306
		5.0 m	M12Y-M03A/2M12-F03A-T-5.0-PUR	171 302 003 0307
	3x0.34PVC	1.5 m	M12Y-M04A/2M12-F03A-T-1.5-PVC	171 302 003 0302
		5.0 m	M12Y-M04A/2M12-F03A-T-5.0-PVC	171 302 003 0303
4	3x0.34PUR	1.5 m	M12Y-M04A/2M12-F03A-T-1.5-PUR	171 302 003 0304
		5.0 m	M12Y-M04A/2M12-F03A-T-5.0-PUR	171 302 003 0305
	4x0.34PVC	1.5 m	M12Y-M04A/2M12-F04A-T-1.5-PVC	171 302 004 0307
		5.0 m	M12Y-M04A/2M12-F04A-T-5.0-PVC	171 302 004 0308
	4x0.34PUR	1.5 m	M12Y-M04A/2M12-F04A-T-1.5-PUR	171 302 004 0305
		5.0 m	M12Y-M04A/2M12-F04A-T-5.0-PUR	171 302 004 0306
5	5x0.25PVC	1.5 m	M12Y-M05A/2M12-F05A-T-1.5-PVC	171 302 005 0302
		5.0 m	M12Y-M05A/2M12-F05A-T-5.0-PVC	171 302 005 0303
	5x0.25PUR	1.5 m	M12Y-M05A/2M12-F05A-T-1.5-PUR	171 302 005 0304
		5.0 m	M12Y-M05A/2M12-F05A-T-5.0-PUR	171 302 005 0305

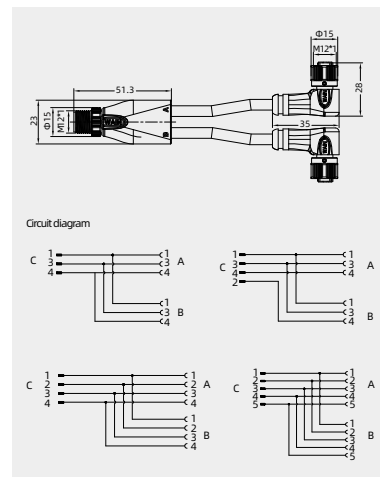


Male cable connector

-female angled cable connector



Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PVC	1.5 m	M12Y-M03A/2M12-F03A-S-1.5-PVC	171 302 003 0318
		5.0 m	M12Y-M03A/2M12-F03A-S-5.0-PVC	171 302 003 0319
	3x0.34PUR	1.5 m	M12Y-M03A/2M12-F03A-S-1.5-PUR	171 302 003 0321
		5.0 m	M12Y-M03A/2M12-F03A-S-5.0-PUR	171 302 003 0322
	3x0.34PVC	1.5 m	M12Y-M04A/2M12-F03A-S-1.5-PVC	171 302 003 0323
		5.0 m	M12Y-M04A/2M12-F03A-S-5.0-PVC	171 302 003 0320
4	3x0.34PUR	1.5 m	M12Y-M04A/2M12-F03A-S-1.5-PUR	171 302 003 0324
		5.0 m	M12Y-M04A/2M12-F03A-S-5.0-PUR	171 302 003 0325
	4x0.34PVC	1.5 m	M12Y-M04A/2M12-F04A-S-1.5-PVC	171 302 004 0327
		5.0 m	M12Y-M04A/2M12-F04A-S-5.0-PVC	171 302 004 0326
	4x0.34PUR	1.5 m	M12Y-M04A/2M12-F04A-S-1.5-PUR	171 302 004 0328
		5.0 m	M12Y-M04A/2M12-F04A-S-5.0-PUR	171 302 004 0329
5	5x0.25PVC	1.5 m	M12Y-M05A/2M12-F05A-S-1.5-PVC	171 302 005 0315
		5.0 m	M12Y-M05A/2M12-F05A-S-5.0-PVC	171 302 005 0314
	5x0.25PUR	1.5 m	M12Y-M05A/2M12-F05A-S-1.5-PUR	171 302 005 0316
		5.0 m	M12Y-M05A/2M12-F05A-S-5.0-PUR	171 302 005 0317



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