

M12-A Circular Connector

36V 4A

Technical characteristics

	3-pole	4-pole
Rated current (40°C)	4A	4A
Rated voltage	36V	36V
Rated impulse voltage	500V	500V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1
Termination	crimp, moulded	crimp, moulded
Wire gauge	0.34mm ² (AWG22)	0.34mm ² (AWG22)
Cable outlet	-	-
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	TPU	TPU

Angled cable connectors ,cable

Female angled connector moulded,
with LED PNP normally open

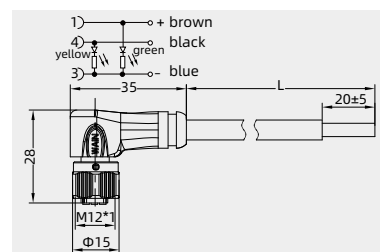


A-Code



3pin

Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PVC	1.5 m	M12-F03A-S-1.5-PVC-LED	163 003 502 4003
		5.0 m	M12-F03A-S-5.0-PVC-LED	163 003 502 4004
3	3x0.34PUR	1.5 m	M12-F03A-S-1.5-PUR-LED	163 003 502 4043
		5.0 m	M12-F03A-S-5.0-PUR-LED	163 003 502 4044



Female angled connector moulded,
with LED PNP normally closed/
open,antivalent

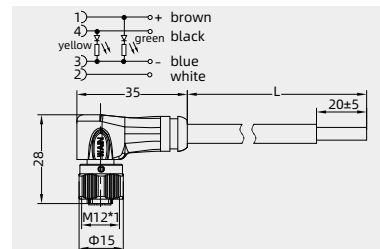


A-Code



3pin

Contacts	Cable	Cable length	Designation	Order No.
4	4x0.34PVC	1.5 m	M12-F04A-S-1.5-PVC-LED1	163 004 502 4005
		5.0 m	M12-F04A-S-5.0-PVC-LED1	163 004 502 4006
4	4x0.34PUR	1.5 m	M12-F04A-S-1.5-PUR-LED1	163 004 502 4045
		5.0 m	M12-F04A-S-5.0-PUR-LED1	163 004 502 4046



Female angled connector moulded,
with LED PNP normally closed/
open

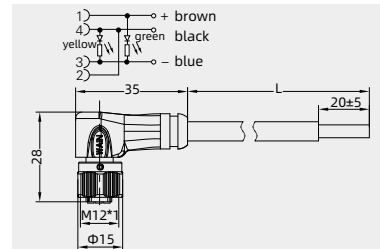


A-Code



4pin

Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PUR	1.5 m	M12-F03A-S-1.5-PUR-LED2	163 003 502 4047
		5.0 m	M12-F03A-S-5.0-PUR-LED2	163 003 502 4048



Female angled connector moulded,
with LED PNP normally open,
stainless steel ring nut

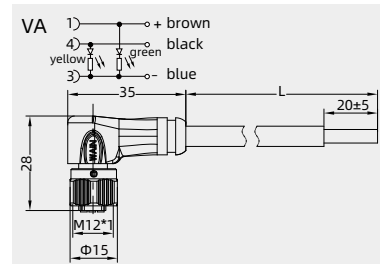


A-Code



3pin

Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PUR	1.5 m	M12S-F03A-S-1.5-PUR-LED	163 003 502 4243
		5.0 m	M12S-F03A-S-5.0-PUR-LED	163 003 502 4244



•Further cable length upon request.