

7/8 Circular Connector



- Panel Mount, socket/receptacle series
- 7/8-16UN Locking
- Screw Terminal
- Blocking nut constructure
- Protection Degree IP67

7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Straight cable connectors Remark: SPQ is 1pc

Male cable connector, metal locking system, screw clamp connection

Recommended use

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2+PE

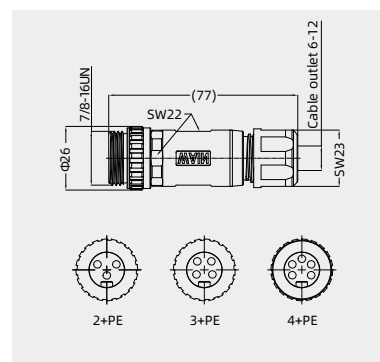


3+PE



4+PE

Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-M03-T-D8	168 003 411 3001
	8-10 mm	7/8-M03-T-D10	168 003 411 3002
	10-12mm	7/8-M03-T-D12	168 003 411 3003
4 (3+PE)	6-8 mm	7/8-M04-T-D8	168 004 411 3002
	8-10 mm	7/8-M04-T-D10	168 004 411 3001
	10-12mm	7/8-M04-T-D12	168 004 411 3003
5 (4+PE)	6-8 mm	7/8-M05-T-D8	168 005 411 3001
	8-10 mm	7/8-M05-T-D10	168 005 411 3003
	10-12mm	7/8-M05-T-D12	168 005 411 3002



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Flange base cable connector Remark: SPQ is 1pc

Male cable connector, metal locking system, screw clamp connection

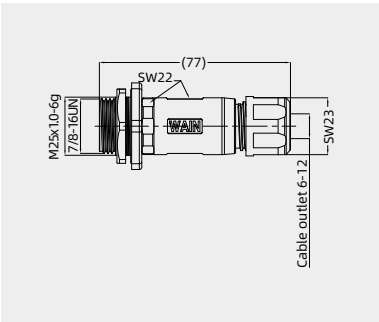
Recommended use



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Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-M03-CCT/R-T-D8	168 003 711 3001
	8-10 mm	7/8-M03-CCT/R-T-D10	168 003 711 3002
	10-12mm	7/8-M03-CCT/R-T-D12	168 003 711 3003
4 (3+PE)	6-8 mm	7/8-M04-CCT/R-T-D8	168 004 711 3001
	8-10 mm	7/8-M04-CCT/R-T-D10	168 004 711 3002
	10-12mm	7/8-M04-CCT/R-T-D12	168 004 711 3003
5 (4+PE)	6-8 mm	7/8-M05-CCT/R-T-D8	168 005 711 3001
	8-10 mm	7/8-M05-CCT/R-T-D10	168 005 711 3002
	10-12mm	7/8-M05-CCT/R-T-D12	168 005 711 3003



7/8 Circular Connector

300V 12/9A

Technical characteristics

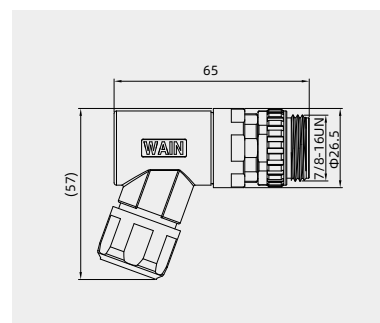
Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Angled cable connectors Remark: SPQ is 1pc

Male cable connector, metal locking system, screw clamp connection

Recommended use

Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-M03-S-D8	168 003 511 3001
	8-10 mm	7/8-M03-S-D10	168 003 511 3002
	10-12mm	7/8-M03-S-D12	168 003 511 3003
4 (3+PE)	6-8 mm	7/8-M04-S-D8	168 004 511 3001
	8-10 mm	7/8-M04-S-D10	168 004 511 3002
	10-12mm	7/8-M04-S-D12	168 004 511 3003
5 (4+PE)	6-8 mm	7/8-M05-S-D8	168 005 511 3001
	8-10 mm	7/8-M05-S-D10	168 005 511 3002
	10-12mm	7/8-M05-S-D12	168 005 511 3003



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300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Straight cable connectors

Remark: SPQ is 1pc

Female cable connector, metal locking system, screw clamp connection

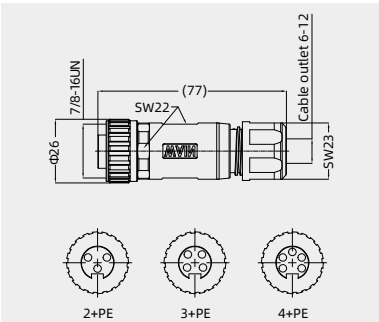
Recommended use



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Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-F03-T-D8	168 003 421 3001
	8-10 mm	7/8-F03-T-D10	168 003 421 3002
	10-12mm	7/8-F03-T-D12	168 003 421 3003
4 (3+PE)	6-8 mm	7/8-F04-T-D8	168 004 421 3002
	8-10 mm	7/8-F04-T-D10	168 004 421 3001
	10-12mm	7/8-F04-T-D12	168 004 421 3003
5 (4+PE)	6-8 mm	7/8-F05-T-D8	168 005 421 3003
	8-10 mm	7/8-F05-T-D10	168 005 421 3001
	10-12mm	7/8-F05-T-D12	168 005 421 3002



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Flange base cable connector Remark: SPQ is 1pc

Female cable connector, metal locking system, screw clamp connection

Recommended use

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2+PE

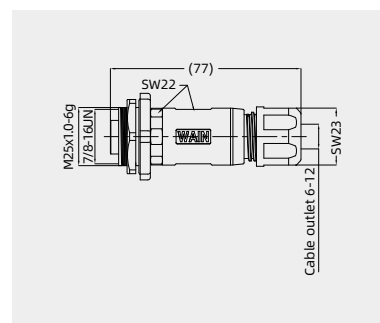


3+PE



4+PE

Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-F03-CCT/R-T-D8	168 003 721 3001
	8-10 mm	7/8-F03-CCT/R-T-D10	168 003 721 3002
	10-12mm	7/8-F03-CCT/R-T-D12	168 003 721 3003
4 (3+PE)	6-8 mm	7/8-F04-CCT/R-T-D8	168 004 721 3001
	8-10 mm	7/8-F04-CCT/R-T-D10	168 004 721 3002
	10-12mm	7/8-F04-CCT/R-T-D12	168 004 721 3003
5 (4+PE)	6-8 mm	7/8-F05-CCT/R-T-D8	168 005 721 3001
	8-10 mm	7/8-F05-CCT/R-T-D10	168 005 721 3002
	10-12mm	7/8-F05-CCT/R-T-D12	168 005 721 3003



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Angled cable connectors Remark: SPQ is 1pc

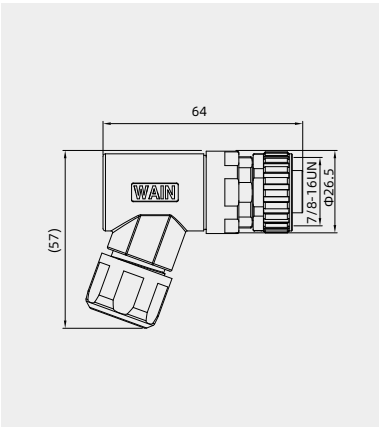
Female cable connector, metal locking system, screw clamp connection
Recommended use



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Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-F03-S-D8	168 003 521 3001
	8-10 mm	7/8-F03-S-D10	168 003 521 3002
	10-12mm	7/8-F03-S-D12	168 003 521 3003
4 (3+PE)	6-8 mm	7/8-F04-S-D8	168 004 521 3001
	8-10 mm	7/8-F04-S-D10	168 004 521 3002
	10-12mm	7/8-F04-S-D12	168 004 521 3003
5 (4+PE)	6-8 mm	7/8-F05-S-D8	168 005 521 3001
	8-10 mm	7/8-F05-S-D10	168 005 521 3002
	10-12mm	7/8-F05-S-D12	168 005 521 3003



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPE	TPE	TPE

Straight cable connectors, cable Remark: SPQ is 1pc

Male connector moulded,screw



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2+PE

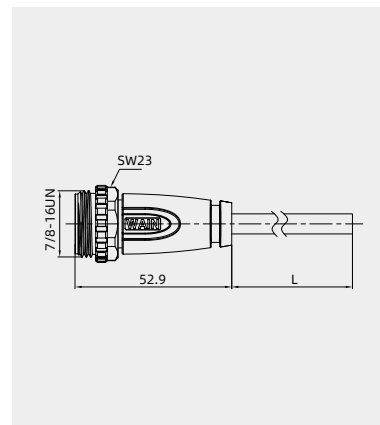


3+PE



4+PE

Contacts	Cable	Cable length	Designation	Order No.
3	3x1.5PVC	1.5 m	7/8-M03-T-1.5-PVC	168 003 401 4001
		5.0 m	7/8-M03-T-5.0-PVC	168 003 401 4002
	3x1.5PUR	1.5 m	7/8-M03-T-1.5-PUR	168 003 401 4003
		5.0 m	7/8-M03-T-5.0-PUR	168 003 401 4004
4	4x1.5PVC	1.5 m	7/8-M04-T-1.5-PVC	168 004 401 4002
		5.0 m	7/8-M04-T-5.0-PVC	168 004 401 4003
	4x1.5PUR	1.5 m	7/8-M04-T-1.5-PUR	168 004 401 4004
		5.0 m	7/8-M04-T-5.0-PUR	168 004 401 4005
5	5x1.5PVC	1.5 m	7/8-M05-T-1.5-PVC	168 005 401 4002
		5.0 m	7/8-M05-T-5.0-PVC	168 005 401 4003
	5x1.5PUR	1.5 m	7/8-M05-T-1.5-PUR	168 005 401 4004
		5.0 m	7/8-M05-T-5.0-PUR	168 005 401 4005



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPE	TPE	TPE

Angled cable connectors,cable Remark: SPQ is 1pc

Male connector moulded,screw

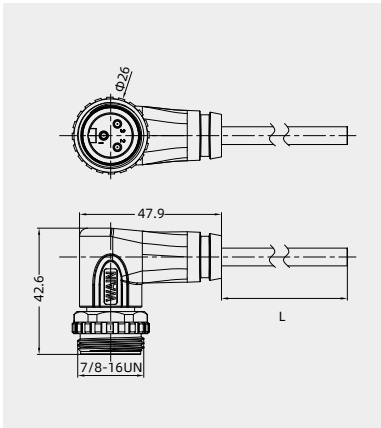
Recommended use



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Contacts	Cable	Cable length	Designation	Order No.
3	3x1.5PVC	1.5 m	7/8-M03-S-1.5-PVC	168 003 501 4001
		5.0 m	7/8-M03-S-5.0-PVC	168 003 501 4002
	3x1.5PUR	1.5 m	7/8-M03-S-1.5-PUR	168 003 501 4003
		5.0 m	7/8-M03-S-5.0-PUR	168 003 501 4004
4	4x1.5PVC	1.5 m	7/8-M04-S-1.5-PVC	168 004 501 4001
		5.0 m	7/8-M04-S-5.0-PVC	168 004 501 4002
	4x1.5PUR	1.5 m	7/8-M04-S-1.5-PUR	168 004 501 4003
		5.0 m	7/8-M04-S-5.0-PUR	168 004 501 4004
5	5x1.5PVC	1.5 m	7/8-M05-S-1.5-PVC	168 005 501 4001
		5.0 m	7/8-M05-S-5.0-PVC	168 005 501 4002
	5x1.5PUR	1.5 m	7/8-M05-S-1.5-PUR	168 005 501 4003
		5.0 m	7/8-M05-S-5.0-PUR	168 005 501 4004



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPE	TPE	TPE

Straight cable connectors, cable Remark: SPQ is 1pc

Female connector moulded,screw

Recommended use



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2+PE

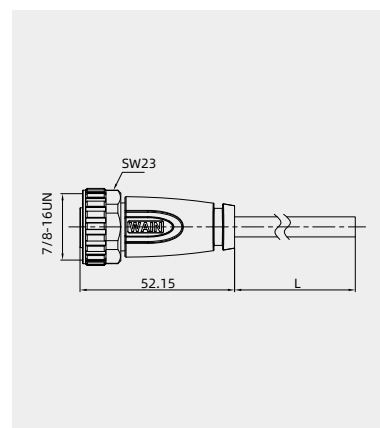


3+PE



4+PE

Contacts	Cable	Cable length	Designation	Order No.
3	3x1.5PVC	1.5 m	7/8-F03-T-1.5-PVC	168 003 402 4001
		5.0 m	7/8-F03-T-5.0-PVC	168 003 402 4002
	3x1.5PUR	1.5 m	7/8-F03-T-1.5-PUR	168 003 402 4003
		5.0 m	7/8-F03-T-5.0-PUR	168 003 402 4004
4	4x1.5PVC	1.5 m	7/8-F04-T-1.5-PVC	168 004 402 4002
		5.0 m	7/8-F04-T-5.0-PVC	168 004 402 4003
	4x1.5PUR	1.5 m	7/8-F04-T-1.5-PUR	168 004 402 4004
		5.0 m	7/8-F04-T-5.0-PUR	168 004 402 4005
5	5x1.5PVC	1.5 m	7/8-F05-T-1.5-PVC	168 005 402 4002
		5.0 m	7/8-F05-T-5.0-PVC	168 005 402 4003
	5x1.5PUR	1.5 m	7/8-F05-T-1.5-PUR	168 005 402 4004
		5.0 m	7/8-F05-T-5.0-PUR	168 005 402 4005



7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)	max.1.5mm²(max.AWG16)
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	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPE	TPE	TPE

Angled cable connectors,cable Remark: SPQ is 1pc

Female connector moulded,screw

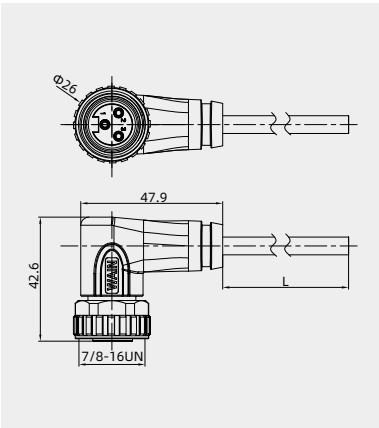
Recommended use



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Contacts	Cable	Cable length	Designation	Order No.
3	3x1.5PVC	1.5 m	7/8-F03-S-1.5-PVC	168 003 502 4001
		5.0 m	7/8-F03-S-5.0-PVC	168 003 502 4002
	3x1.5PUR	1.5 m	7/8-F03-S-1.5-PUR	168 003 502 4003
		5.0 m	7/8-F03-S-5.0-PUR	168 003 502 4004
4	4x1.5PVC	1.5 m	7/8-F04-S-1.5-PVC	168 004 502 4001
		5.0 m	7/8-F04-S-5.0-PVC	168 004 502 4002
	4x1.5PUR	1.5 m	7/8-F04-S-1.5-PUR	168 004 502 4003
		5.0 m	7/8-F04-S-5.0-PUR	168 004 502 4004
5	5x1.5PVC	1.5 m	7/8-F05-S-1.5-PVC	168 005 502 4001
		5.0 m	7/8-F05-S-5.0-PVC	168 005 502 4002
	5x1.5PUR	1.5 m	7/8-F05-S-1.5-PUR	168 005 502 4003
		5.0 m	7/8-F05-S-5.0-PUR	168 005 502 4004



7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	single wires	single wires	single wires
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

Male panel mount connector

with single wires,
0.82mm², MAX.1.5mm²
length 0.2m
font fastened

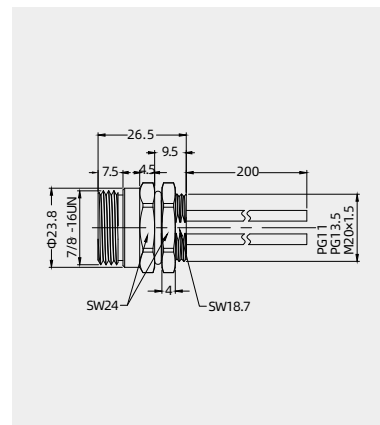


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Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	PG11	7/8-M03-BK-PG11-W0.82	168 003 301 4001
	PG13.5	7/8-M03-BK-PG13.5-W0.82	168 003 301 4002
	M20×1.5	7/8-M03-BK-M20-W0.82	168 003 301 4003
4 (3+PE)	PG11	7/8-M04-BK-PG11-W0.82	168 004 301 4001
	PG13.5	7/8-M04-BK-PG13.5-W0.82	168 004 301 4002
	M20×1.5	7/8-M04-BK-M20-W0.82	168 004 301 4003
5 (4+PE)	PG11	7/8-M05-BK-PG11-W0.82	168 005 301 4001
	PG13.5	7/8-M05-BK-PG13.5-W0.82	168 005 301 4002
	M20×1.5	7/8-M05-BK-M20-W0.82	168 005 301 4003

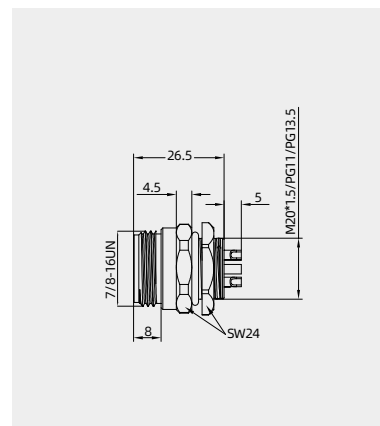


Customized cable length upon request

Male panel mount connector, solder

Remark: SPQ is 10pcs

Contacts	screw	Designation	Order No.
3 (2+PE)	PG11	7/8-M03-BK-PG11-C	168 003 313 1500
	PG13.5	7/8-M03-BK-PG13.5-C	168 003 313 1501
	M20×1.5	7/8-M03-BK-M20-C	168 003 313 1502
4 (3+PE)	PG11	7/8-M04-BK-PG11-C	168 004 313 1500
	PG13.5	7/8-M04-BK-PG13.5-C	168 004 313 1501
	M20×1.5	7/8-M04-BK-M20-C	168 004 301 4009
5 (4+PE)	PG11	7/8-M05-BK-PG11-C	168 005 313 1500
	PG13.5	7/8-M05-BK-PG13.5-C	168 005 313 1501
	M20×1.5	7/8-M05-BK-M20-C	168 005 313 0500



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7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	single wires	single wires	single wires
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

Female panel mount connector
with single wires,
0.82mm², MAX.1.5mm²
length 0.2m
font fastened



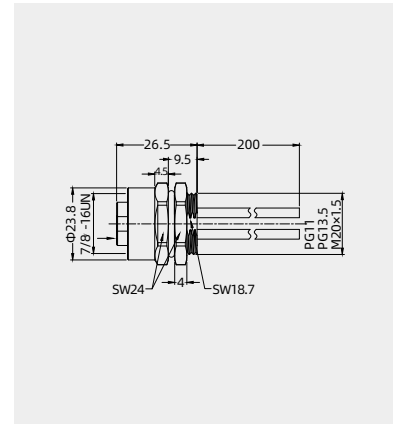
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Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-F03-BK-7/8-W0.82	168 003 302 4004
	PG11	7/8-F03-BK-PG11-W0.82	168 003 302 4001
	PG13.5	7/8-F03-BK-PG13.5-W0.82	168 003 302 4002
	M20×1.5	7/8-F03-BK-M20-W0.82	168 003 302 4003
4 (3+PE)	7/8-16UN	7/8-F04-BK-7/8-W0.82	168 004 302 4005
	PG11	7/8-F04-BK-PG11-W0.82	168 004 302 4001
	PG13.5	7/8-F04-BK-PG13.5-W0.82	168 004 302 4002
	M20×1.5	7/8-F04-BK-M20-W0.82	168 004 302 4003
5 (4+PE)	7/8-16UN	7/8-F05-BK-7/8-W0.82	168 005 302 4005
	PG11	7/8-F05-BK-PG11-W0.82	168 005 302 4001
	PG13.5	7/8-F05-BK-PG13.5-W0.82	168 005 302 4002
	M20×1.5	7/8-F05-BK-M20-W0.82	168 005 302 4003

Customized cable length upon request



Female panel mount connector ,
solder



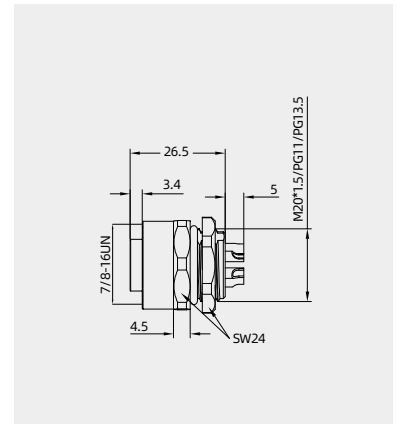
7/8

7/8



Remark: SPQ is 10pcs

Contacts	screw	Designation	Order No.
3 (2+PE)	PG11	7/8-F03-BK-PG11-C	168 003 323 1500
	PG13.5	7/8-F03-BK-PG13.5-C	168 003 323 1501
	M20×1.5	7/8-F03-BK-M20-C	168 003 323 1502
4 (3+PE)	PG11	7/8-F04-BK-PG11-C	168 004 323 1500
	PG13.5	7/8-F04-BK-PG13.5-C	168 004 323 1501
	M20×1.5	7/8-F04-BK-M20-C	168 004 323 1502
5 (4+PE)	PG11	7/8-F05-BK-PG11-C	168 005 323 1500
	PG13.5	7/8-F05-BK-PG13.5-C	168 005 323 1501
	M20×1.5	7/8-F05-BK-M20-C	168 005 323 1502



7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	single wires	single wires	single wires
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

Male panel mount connector

with single wires,
0.82mm², MAX.1.5mm²
length 0.2m
font fastened

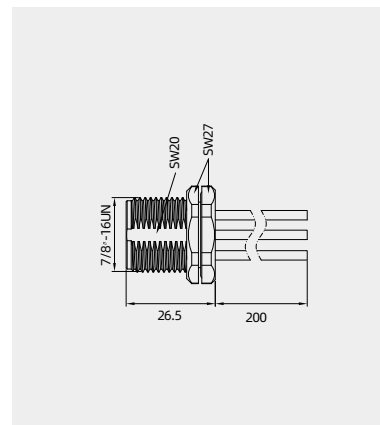


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Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-M03-BKR-7/8-W0.82	168 003 301 4004
4 (3+PE)	7/8-16UN	7/8-M04-BKR-7/8-W0.82	168 004 301 4004
5 (4+PE)	7/8-16UN	7/8-M05-BKR-7/8-W0.82	168 005 301 4004



Customized cable length upon request

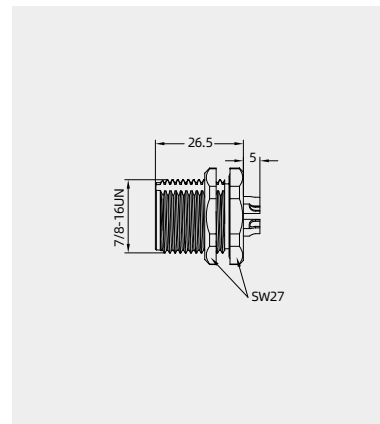
Male panel mount connector ,solder
font fastened

7/8



Remark: SPQ is 10pcs

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-M03-BKR-7/8-C	168 003 313 1503
4 (3+PE)	7/8-16UN	7/8-M04-BKR-7/8-C	168 004 313 1502
5 (4+PE)	7/8-16UN	7/8-M05-BKR-7/8-C	168 005 313 1502



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7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	single wires	single wires	single wires
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
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	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

Female panel mount connector
with single wires, 0.82mm²,
MAX.1.5mm², length 0.2m
font fastened



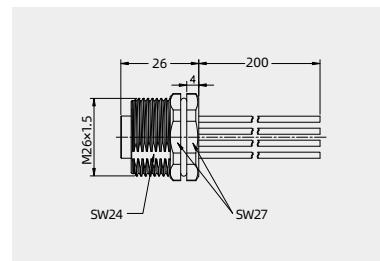
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Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	M26	7/8-F03-BKR-M26-W0.82	168 003 302 4005
4 (3+PE)	M26	7/8-F04-BKR-M26-W0.82	168 004 302 4006
5 (4+PE)	M26	7/8-F05-BKR-M26-W0.82	168 005 302 4006

Customized cable length upon request



Female panel mount connector
with single wires, 0.82mm²,
MAX.1.5mm², length 0.2m
font fastened



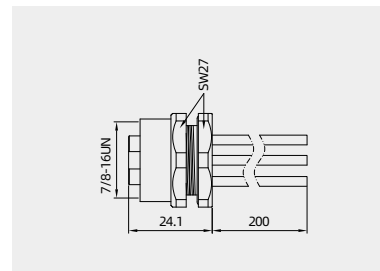
7/8



Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-F03-BKR-7/8-W0.82	168 003 302 4006
4 (3+PE)	7/8-16UN	7/8-F04-BKR-7/8-W0.82	168 003 302 4007
5 (4+PE)	7/8-16UN	7/8-F05-BKR-7/8-W0.82	168 003 302 4008

Customized cable length upon request



Female panel mount connector ,
solder

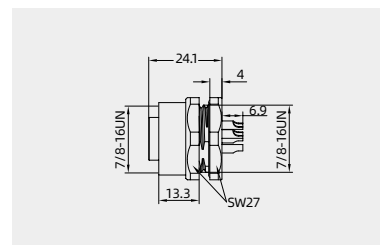


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Remark: SPQ is 10pcs

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-F03-BKR-7/8-C	168 003 323 1503
4 (3+PE)	7/8-16UN	7/8-F04-BKR-7/8-C	168 004 323 1503
5 (4+PE)	7/8-16UN	7/8-F05-BKR-7/8-C	168 005 323 1503



Female panel mount connector ,
solder

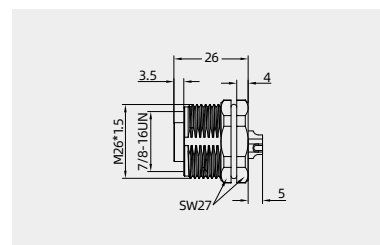


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Remark: SPQ is 10pcs

Contacts	screw	Designation	Order No.
3 (2+PE)	M26	7/8-F03-BKR-M26-C	168 003 323 1504
4 (3+PE)	M26	7/8-F04-BKR-M26-C	168 004 323 1504
5 (4+PE)	M26	7/8-F05-BKR-M26-C	168 005 323 1504



7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	-	-	-
Wire gauge	-	-	-
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	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

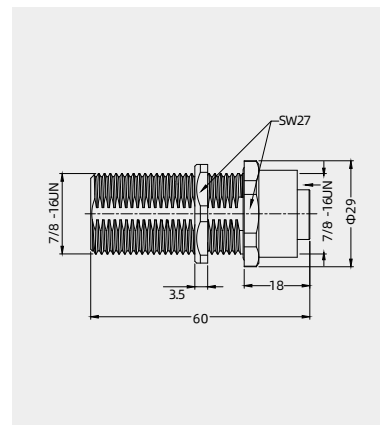
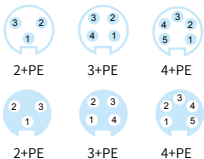
Male integrate with female
direct tighten

Remark: SPQ is 1pc

Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-M03-BK-F03-7/8	168 003 300 1001
4 (3+PE)	7/8-16UN	7/8-M04-BK-F04-7/8	168 003 300 1002
5 (4+PE)	7/8-16UN	7/8-M05-BK-F05-7/8	168 003 300 1003



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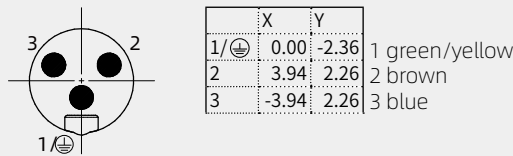


7/8 Circular Connector

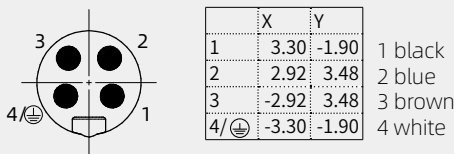
• Contact arrangements

• Male insert (mating side)

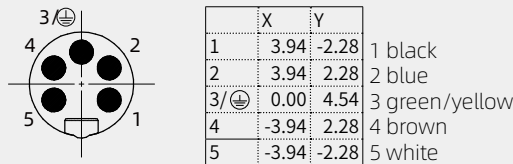
3 (2+PE)



4 (3+PE)

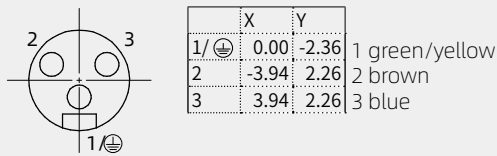


5 (4+PE)

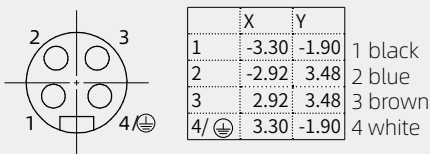


• Female insert (mating side)

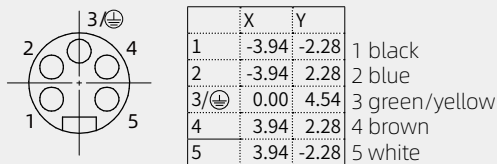
3 (2+PE)



4 (3+PE)

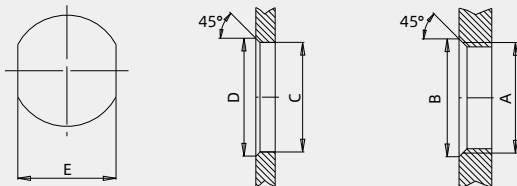


5 (4+PE)



• Panel cut out

- Front panel mounting, back panel tighten
- Through-hole mounting
- Screw mounting



	A	B	C	D	E
PG11	PG11	20.2	18.7	20.2	17.0
PG13.5	PG13.5	22.2	20.5	22.2	18.8
M20×1.5	M20×1.5	21.6	20.1	21.6	17.8

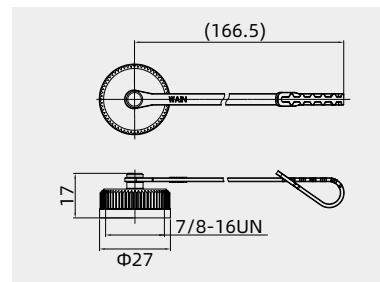
Accessories

Protection cap IP67

Remark: SPQ is 10pcs

Protection cover
for male cable connector

Description	Designation	Order No.
Without cord	7/8-MCV	168 000 001 9003
With cord	7/8-MCV/1	168 000 001 9001

Protection cover
for female cable connector

Description	Designation	Order No.
Without cord	7/8-FCV	168 000 002 9003
With cord	7/8-FCV/1	168 000 002 9001

