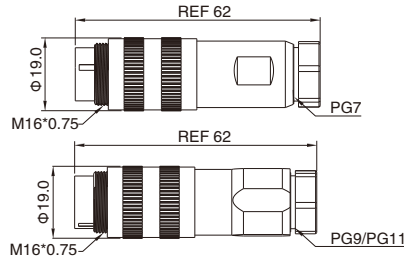


M16 Male Field Wirable Assembly, Straight, Solder

- Connector series: M16
- Gender: Male
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB16MWSAFF**ST-X

** refers to pins number
 X Suitable cable Dia: 3=PG9, 4=PG7,
 7=PG11



RoHS

General information

Standard:	IEC 61076-2-106
Ambient temperature:	-25°C ~ +70°C
Connector insert:	BPT
Connector contacts:	Brass with gold plated
Connector screw/body:	Zinc alloy with nickel plated
Coupling screw:	PA+GF

Seal/ O-ring:	NBR/FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
Suitable cable Dia:	PG7:4~6; PG9:6~8; PG11:8~10mm
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

Electrical data & Mechanical data

Contacts	Contact termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
02 pins	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF02ST-X
03 pins	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF03ST-X
04 pins	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF04ST-X
05 pins-a	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF05ST-X
05 pins-b	Solder version	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF05ST-X
06 pins	Solder version	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF06ST-X
07 pins-a	Solder version	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF07AST-X
07 pins-b	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF07BST-X
08 pins	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF08ST-X
14 pins	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16MWSAFF14ST-X
19 pins	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16MWSAFF19ST-X

Remarks

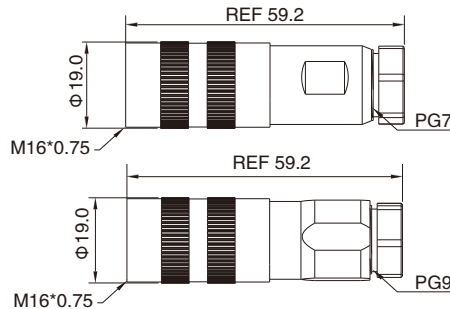
Note: X Suitable cable Dia: 3=PG9, 4=PG7, 7=PG11

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please Refer to page 292 for products' part number encoding rule.

M16 Female Field Wirable Assembly, Straight, Solder

- Connector series: M16
- Gender: Female
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB16FWSAFF**ST-X

** refers to pins number
 X Suitable cable Dia: 3=PG9, 4=PG7,
 7=PG11



RoHS

General information

Standard:	IEC 61076-2-106
Ambient temperature:	-25°C ~ +70°C
Connector insert:	BPT
Connector contacts:	Brass with gold plated
Connector screw/body:	Zinc alloy with nickel plated
Coupling screw:	PA+GF

Seal/ O-ring:	NBR/FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
Suitable cable Dia:	PG7:4~6; PG9:6~8; PG11:8~10mm
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

Electrical data & Mechanical data

Contacts	Contact termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm ²		
02 pins	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF02ST-X
03 pins	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF03ST-X
04 pins	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF04ST-X
05 pins-a	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF05AST-X
05 pins-b	Solder version	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF05BST-X
06 pins	Solder version	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF06ST-X
07 pins-a	Solder version	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF07AST-X
07 pins-b	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF07BST-X
08 pins	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF08ST-X
14 pins	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16FWSAFF14ST-X
19 pins	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16FWSAFF19ST-X

Remarks

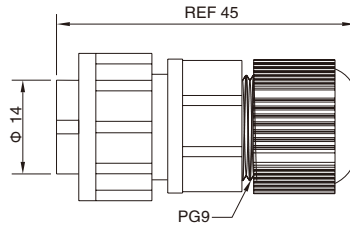
Note: X Suitable cable Dia: 3=PG9, 4=PG7, 7=PG11

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please Refer to page 292 for products' part number encoding rule.

M16 Male Field Wirable Assembly, Straight, Quick-lock Type, Solder

- Connector series: M16
- Gender: Male
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB16MAAQ**ST

** refers to pins number



General information

RoHS

Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA + GF
Connector contacts:	Brass with gold plated
Quick-lock fix cap:	PA+GF
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	5.0~8.5mm
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

Electrical data & Mechanical data

Contacts	Contact termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.
			A/C	D/C	AWG	mm ²			
08 pins	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16MAAQ08ST
09 pins	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16MAAQ09ST

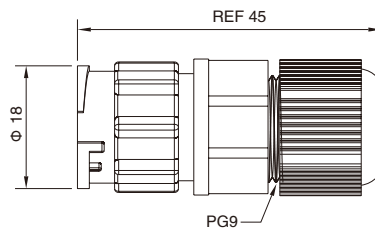
Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please Refer to page 292 for products' part number encoding rule.

M16 Female Field Wirable Assembly, Straight, Quick-lock Type, Solder

- Connector series: M16
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB16FAAQ**ST

** refers to pins number



General information

RoHS

Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA + GF
Connector contacts:	Brass with gold plated
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	5.0~8.5mm
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

Electrical data & Mechanical data

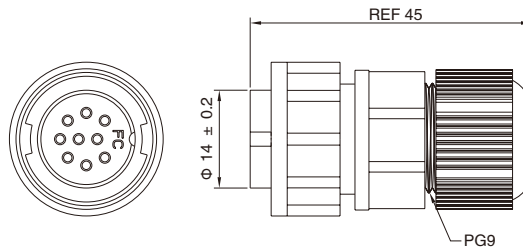
Contacts	Contact termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.
			A/C	D/C	AWG	mm ²			
08 pins	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FAAQ08ST
09 pins	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FAAQ09ST

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please Refer to page 292 for products' part number encoding rule.

M16 Female Field Assembly, Straight, Quick-lock Type, Solder, With Fix-cap

- Connector series: M16
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Plastic mounting
- Part No.: MB16FRAMQ**ST
(Reversed polarity)
- ** refers to pins number



General information

RoHS

Ambient temperature:	-25°C ~ +90°C
Connector insert/body:	PA + GF
Connector contacts:	Brass with gold plated
Quick-lock fix cap:	PA+GF
O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	5.0~8.5mm
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

Electrical data & Mechanical data

Contacts	Contact termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.	
			A/C	D/C	AWG	mm ²				
08 pins		Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FRAMQ08ST
09 pins		Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FRAMQ09ST

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please Refer to page 292 for products' part number encoding rule.