



# M16 Male Field Wirable Assembly, Straight, Solder

• Connector series: M16

• Gender: Male

• Locking type: Fix screw

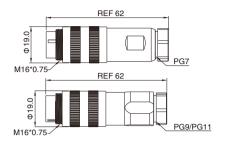
• Mounting type: Straight

• Part No.: MB16MWSAFF\*\*ST-X

\*\* refers to pins number

X Suitable cable Dia: 3=PG9, 4=PG7,

7=PG11









## ■ General information

Standard:	IEC 61076-2-106
Ambient temperature:	-25℃ ~ +70℃
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

Cont	tacts	Contact	Rated	Voltage		Wire gau	Wire gauge / size		Part No.
Com	lacis	termination	current	A/C	D/C	AWG	mm²	jacket	Part NO.
02 pins	2 1	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF02ST- <u>X</u>
03 pins	(a) 2 (b) 3 1	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF03ST- <u>X</u>
04 pins	3® ®2 ®4 ¶1	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF04ST- <u>X</u>
05 pins-a	(a) 3 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF05ST- <u>X</u>
05 pins-b	(5) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Solder version	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF05ST- <u>X</u>
06 pins	(3⊕ ⊕) (4⊕ ⊕ 0) (5 ⊕) (5 ⊕)	Solder version	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF06ST- <u>X</u>
07 pins-a	30 04 20 0 05 10 06	Solder version	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF07AST- <u>X</u>
07 pins-b		Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF07BST- <u>X</u>
08 pins		Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16MWSAFF08ST- <u>X</u>
14 pins	(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	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- <u>X</u>

■ Remarks

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



• Please Refer to page 292 for products' part number encoding rule.



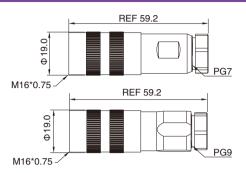




# M16 Female Field Wirable Assembly, Straight, Solder

- 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

## ■ General information



Seal/ O-ring:







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

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

NBR/FKM

#### ■ Electrical data & Mechanical data

Conf	taete	Contact	Rated	Volt	tage	Wire gau	ıge / size	Cable	Part No.
Con	lacis	termination	current	A/C	D/C	AWG	mm²	jacket	Part NO.
02 pins		Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF02ST-X
03 pins	© 0 0 3	Solder version	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF03ST-X
04 pins	20 O <sub>3</sub> O O O	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF04ST-X
05 pins-a	20 3 Q <sub>1</sub> Q <sub>2</sub> Q <sub>3</sub> Q <sub>4</sub> Q <sub>1</sub> Q <sub>1</sub> Q <sub>2</sub> Q <sub>3</sub> Q <sub>4</sub> Q <sub>4</sub> Q <sub>5</sub>	Solder version	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF05AST-X
05 pins-b	(40 ° 05) 0 ° 0 1 ° 3	Solder version	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF05BST-X
06 pins	20 03 04 0 6 0	Solder version	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF06ST-X
07 pins-a	40,03 50 0 02 50 01	Solder version	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF07AST-X
07 pins-b	(40 ° 05) 10 ° 03 60 ° 07)	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF07BST-X
08 pins	(40 ° 05) 10 ° 03 60 ° 07)	Solder version	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MB16FWSAFF08ST-X
14 pins	000000000000000000000000000000000000000	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16FWSAFF14ST- <u>X</u>
19 pins	000000000000000000000000000000000000000	Solder version	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MB16FWSAFF19ST- <u>X</u>

### ■ Remarks

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



• Please Refer to page 292 for products' part number encoding rule.







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

• Connector series: M16

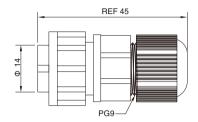
• Gender: Male

• Locking type: Quick-lock

• Mounting type: Plastic mounting

• Part No.: MB16MAAQ\*\*ST

\*\* refers to pins number





## ■ General information

RoHS PFT

Ambient temperature:	-25℃ ~ +90℃
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

Cont	tacts	Contact	Rated	Volt	Voltage		Wire gauge / size		Wire	Part No.
Con	lacis	termination	current	A/C	D/C	D/C AWG mm²		jacket	insulation	rait NO.
08 pins	(50 % e3) (60 8 e2) 70 10	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16MAAQ08ST
09 pins	5	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 mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.









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

• Connector series: M16

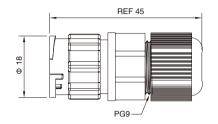
• Gender: Female

• Locking type: Quick-lock

• Mounting type: Plastic mounting

• Part No.: MB16FAAQ\*\*ST

\*\* refers to pins number





## ■ General information

RoHS (P67)



Ambient temperature:	-25℃ ~ +90℃
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

Cont	tacto	Contact	Rated	Rated Voltage		Wire gauge / size		Cable	Wire	Part No.
Com	lacis	termination	current	A/C	D/C	AWG	mm²	jacket	insulation	rait NO.
08 pins	30 005 20 08 06 01 07	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FAAQ08ST
09 pins	30 05 20 08 06 0 09 07	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 mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.







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

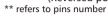
• Connector series: M16

• Gender: Female

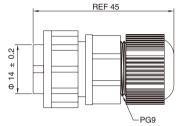
• Locking type: Quick-lock

• Mounting type: Plastic mounting

• Part No.: MB16FRAMQ\*\*ST (Reversed polarity)









#### ■ General information

RoHS (P67)



-25℃ ~ +90℃
PA + GF
Brass with gold plated
PA+GF
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 cvcles

#### ■ Electrical data & Mechanical data

Contacts			Rated	Volt	tage	Wire gauge / size		Cable	Wire	Part No.
			current	A/C	D/C	AWG	mm²	jacket	insulation	rait NO.
08 pins	30 00 05 20 08 06 01 07	Solder version	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MB16FRAMQ08ST
09 pins	(30 05 05 06 06 0 09 07 07 07 07 07	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 mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

