



# M23 Power Molded Cable, Straight, Male Thread

- Connector series: M23 Power
- Contacts: Pin
- Mounting type: Straight
- Shielding: Shielded or unshielded
- Connection Type: Crimp
- Part No.: M23-MPSPST\*\*\*-XXXX (unshielded) M23-MPSSPST\*\*\*-XXXX (shielded)

\*\*\* refers to pins number XXXX refers to cable specification

General information

**Operation cycles:** 

# REF81.5



# c 🕄 us ( E RoHS 🛞

# Connector overmold:TPUConnector insert:PAConnector contacts:Brass with gold platedCoupling screw:Zinc alloy with nickel platedSeal / O-ring:FKM or NBR

>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	$-40^{\circ}C \sim +80^{\circ}C$ (fixed installation)
	-20°C ~ +80°C(flexible installation)
IP rating:	IP68 in locked condition
Cable OD range:	2.0~13

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)			
Contacts	5+PE	4 3 PE			
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> ) 2.0(0.25~4.0mm <sup>2</sup> )			
Rated current @ 20°C(A)	30	9	9 30		
Rated Voltage(V)	630	250 630			
Impulse voltage(V)	6000	4000	60	000	
Overvoltage category	II				
Pollution Degree					

	Contacts	Contact OD (mm)	Pin	Part No.	Conta	icts	Contact OD (mm)	Pin	Part No.
-	06	2		M23-MPSPST06A- <u>XXXX</u> (unshielded)	08	3+PE	2		M23-MPSPST08A- <u>XXXX</u> (unshielded)
	(5+PE)	2		M23-MPSSPST06A- <u>XXXX</u> `(shielded)´	(4+3+PE)	4	1		M23-MPSSPST08A- <u>XXXX</u> (shielded)

Note:  $\underline{X}$  refers to cable specification

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.



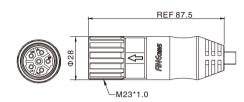




# M23 Power Molded Cable, Straight, Female Thread

- Connector series: M23 Power
- Contacts: Socket
- Mounting type: Straight
- Shielding: Shielded or unshielded
- Connection Type: Crimp
- Part No.: M23-MPNSST\*\*\*-XXXX (unshielded) M23-MPNSSST\*\*\*-XXXX (shielded)

\*\*\* refers to pins number XXXX refers to cable specification





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# General information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>800

≥1000MΩ
≤5mΩ
-40°C ~ +80°C(fixed installation)
-20°C ~ +80°C(flexible installation)
IP68 in locked condition
2.0~13

### Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)			
Contacts	5+PE	4 3 PE			
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> ) 2.0(0.25~4.0mm <sup>2</sup> )			
Rated current @ 20°C(A)	30	9	30		
Rated Voltage(V)	630	250 630			
Impulse voltage(V)	6000	4000	6	000	
Overvoltage category	I				
Pollution Degree	III				

Contacts	Contact OD (mm)	Socket	Part No.	Conta	cts	Contact OD (mm)	Socket	Part No.
06	· ·		M23-MPNSST06A- <u>XXXX</u> (unshielded)	08	3+PE	2		M23-MPNSST08A- <u>XXXX</u> (unshielded)
(5+PE)	2	00	M23-MPNSSST06A- <u>XXXX</u> (shielded)	(4+3+PE)	4	1		M23-MPNSSST08A- <u>XXXX</u> (shielded)

Note:  $\underline{X}$  refers to cable specification

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.



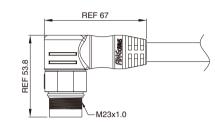




# M23 Power Molded Cable, Right Angle, Male Thread

- Connector series: M23 Power
- Contacts: Pin
- Mounting type: Right Angle
- Shielding: Shielded or unshielded
- Connection Type: Crimp
- Part No.: M23-MPSPRA\*\*\*-XXXX (unshielded) M23-MPSSPRA\*\*\*-XXXX (shielded)

\*\*\* refers to pins number XXXX refers to cable specification





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# General information

TPU
PA
Brass with gold plated
Zinc alloy with nickel plated
FKM or NBR
>800

≥1000MΩ
≤5mΩ
$-40^{\circ}C \sim +80^{\circ}C$ (fixed installation)
-20°C ~ +80°C(flexible installation)
IP68 in locked condition
2.0~13

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)			
Contacts	5+PE	4 3 PE			
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> ) 2.0(0.25~4.0mm <sup>2</sup> )			
Rated current @ 20°C(A)	30	9	30		
Rated Voltage(V)	630	250 630			
Impulse voltage(V)	6000	4000	6	000	
Overvoltage category	I				
Pollution Degree	III.				

Contacts	Contact OD (mm)	Pin	Part No.	Conta	octs	Contact OD (mm)	Pin	Part No.
06	2		M23-MPSPRA06A- <u>XXXX</u> (unshielded)	08	3+PE	2		M23-MPSPRA08A- <u>XXXX</u> (unshielded)
(5+PE)	2		M23-MPSSPRA06A- <u>XXXX</u> (shielded)	(4+3+PE)	4	1		M23-MPSSPRA08A- <u>XXXX</u> (shielded)

Note:  $\underline{X}$  refers to cable specification

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.



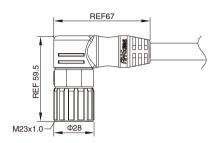




# M23 Power Molded Cable, Right Angle, Female Thread

- Connector series: M23 Power
- Contacts: Socket
- Mounting type: Right Angle
- Shielding: Shielded or unshielded
- Connection Type: Crimp
- Part No.: M23-MPNSRA\*\*\*-XXXX (unshielded) M23-MPNSSRA\*\*\*-XXXX (shielded)

\*\*\* refers to pins number XXXX refers to cable specification





# GNUS (E ROHS

### General information

TPU
PA
Brass with gold plated
Zinc alloy with nickel plated
FKM or NBR
>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40 $^{\circ}$ C ~ +80 $^{\circ}$ C(fixed installation)
	-20°C ~ +80°C(flexible installation)
IP rating:	IP68 in locked condition
Cable OD range:	2.0~13
3	

### Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)			
Contacts	5+PE	4	3	PE	
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25	~4.0mm²)	
Rated current @ 20°C(A)	30	9	-	30	
Rated Voltage(V)	630	250 630			
Impulse voltage(V)	6000	4000	60	000	
Overvoltage category					
Pollution Degree	III				

Contacts	Contact OD (mm)	Socket	Part No.	Conta	cts	Contact OD (mm)	Socket	Part No.
06	2		M23-MPNSRA06A- <u>XXXX</u> (unshielded)	08	3+PE	2		M23-MPNSRA08A- <u>XXXX</u> (unshielded)
(5+PE)	2		M23-MPNSSRA06A- <u>XXXX</u> (shielded)	(4+3+PE)	4	1		M23-MPNSSRA08A- <u>XXXX</u> (shielded)

Note:  $\underline{X}$  refers to cable specification

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

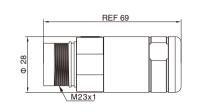






# M23 Power Assembly Connector, Straight, Male Thread

- Connector series: M23 Power
- Contacts: Pin
- Mounting type: Straight
- Shielding: Shielded
- Connection Type: Crimp
- Part No.: M23-PSSPST\*\*\*-XX
- \*\*\* refers to pins number XX for cable OD rang





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# General information

PA
Brass with gold plated
Zinc alloy with nickel plated
Zinc alloy with nickel plated
FKM or NBR
>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40℃ ~ +125℃
IP rating:	IP68 in locked condition
Cable OD range:	2.0~16
Assembly Instruction:	Refer to page 417
3	Refer to page 417

# Electrical data & Mechanical data

Number of po	sitions		6(5+PE)		8(4+3+PE)				
Contacts			5+PE	4	4 3			PE	
Contact OD(m	m)		2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> ) 2.0			2.0(0.25	0(0.25~4.0mm <sup>2</sup> )	
Rated current	@ 20°C(A)		30	9		30			
Rated Voltage	(V)		630	250		630			
Impulse voltag	je(V)		6000	4000		6000			
Overvoltage ca	ategory			II					
Pollution Degr	ee		II						
Contacts	Contact OD	Pin	Part No.	Contacts	Contact OD	Pin		Part No.	

Contacts	OD (mm)	Pin	Part No.	Conta	icts	OD (mm)	Pin	Part No.
06 (5+PE)	2		M23-PSSPST06A- <u>XX</u>	08 (4+3+PE)	3+PE	2		M23-PSSPST08A- <u>XX</u>
					-	I		

Note: X for cable OD rang

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

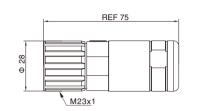






# M23 Power Assembly Connector, Straight, Female Thread

- Connector series: M23 Power
- Contacts: Socket
- Mounting type: Straight
- Shielding: Shielded
- Connection Type: Crimp
- Part No.: M23-PNSSST\*\*\*-XX
- \*\*\* refers to pins number XX for cable OD rang





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### General information

PA
Brass with gold plated
Zinc alloy with nickel plated
Zinc alloy with nickel plated
FKM or NBR
>800

≥1000MΩ
≤5mΩ
-40℃ ~ +125℃
IP68 in locked condition
2.0~16
Refer to page 417

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)				
Contacts	5+PE	4 3 PE				
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25~4.0mm <sup>2</sup> )			
Rated current @ 20°C(A)	30	9	30			
Rated Voltage(V)	630	250	630			
Impulse voltage(V)	6000	4000	6000			
Overvoltage category						
Pollution Degree	III					

Contacts	Contact OD (mm)	Socket	Part No.	Conta	icts	Contact OD (mm)	Socket	Part No.
06 (5+PE)	2		M23-PNSSST06A- <u>XX</u>	08 (4+3+PE)	3+PE 4	2		M23-PNSSST08A- <u>XX</u>

Note:  $\underline{X}$  for cable OD rang

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

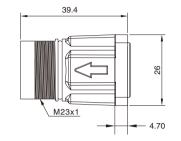






# M23 Power, Panel Mount, Crimp, Male Thread

- Connector series: M23 Power
- Contacts: Pin
- Mounting type: Front mount
- Shielding: Unshielded
- Connection Type: Crimp
- Part No.: M23-PSPSTFFx\*\*\*-XXXX
- Fx refer to Flange joint \*\*\* refers to pins number XXXX refers to cable specs





# c 🕄 us ( E RoHS 🏨

### General information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Zinc alloy with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>800

≥1000MΩ
≤5mΩ
-40℃ ~ +125℃
IP68 in locked condition
Refer to page 418

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)			
Contacts	5+PE	4	3 PE		
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25~4.0mm <sup>2</sup> )		
Rated current @ 20°C(A)	30	9	30		
Rated Voltage(V)	630	250	630		
Impulse voltage(V)	6000	4000	6000		
Overvoltage category	l l				
Pollution Degree	II				
- 1					
Contact		Conta	ct		

Contacts	OD (mm)	Pin	Part No.	Conta	icts	OD (mm)	Pin	Part No.
06 (5+PE)	2		M23-PSPSTF <u>Fx</u> 06A- <u>XXXX</u>	08 (4+3+PE)	3+PE 4	2		M23-PSPSTF <u>Fx</u> 08A- <u>XXXX</u>

Note: <u>Fx</u> refer to Flange joint, <u>X</u> refers to cable specs

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

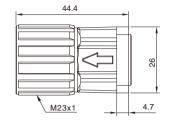






# M23 Power, Panel Mount, Crimp, Female Thread

- Connector series: M23 Power
- Contacts: Socket
- Mounting type: Front mount
- Shielding: Unshielded
- Connection Type: Crimp
- Part No.: M23-PNSSTFFx\*\*\*-XXXX Fx refer to Flange joint \*\*\* refers to pins number XXXX refers to cable specs





# GNUS (E ROHS

### General information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Zinc alloy with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 418

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)		
Contacts	5+PE	4 3 PI		
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25~4.0mm <sup>2</sup> )	
Rated current @ 20°C(A)	30	9	30	
Rated Voltage(V)	630	250	630	
Impulse voltage(V)	6000	4000	6	000
Overvoltage category		I		
Pollution Degree	II			

Contacts	Contact OD (mm)	Socket	Part No.	Conta	octs	Contact OD (mm)	Socket	Part No.
06 (5+PE)	2		M23-PNSSTF <u>Fx</u> 06A- <u>XXXX</u>	08 (4+3+PE)	3+PE 4	2 1		M23-PNSSTF <u>Fx</u> 08A- <u>XXXX</u>

Note: Fx refer to Flange joint, X refers to cable specs

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

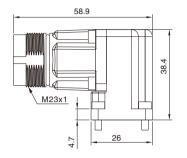






# M23 Power, Panel Mount, Crimp, Male Thread, Right Angle Connector

- Connector series: M23 Power
- Contacts: Pin
- Mounting type: Right Angle, Front mount
- Shielding: Unshielded
- Connection Type: Crimp
- Part No.: M23-PSPRAFFx\*\*\*-XXXX Fx refer to Flange joint
- \*\*\* refers to pins number XXXX refers to cable specs





# c 🕄 us ( E RoHS 🏨

### General information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Zinc alloy with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40℃ ~ +125℃
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 419

# Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)		
Contacts	5+PE	4 3 P		PE
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25~4.0mm <sup>2</sup> )	
Rated current @ 20°C(A)	30	9	30	
Rated Voltage(V)	630	250	630	
Impulse voltage(V)	6000	4000	6000	
Overvoltage category	li l			
Pollution Degree	III			
Contact		Conta	ct	

Contacts	OD (mm)	Pin	Part No.	Conta	icts	OD (mm)	Pin	Part No.
06 (5+PE)	2		M23-PSPRAF <u>Fx</u> 06A- <u>XXXX</u>	08 (4+3+PE)	3+PE 4	2		M23-PSPRAF <u>Fx</u> 08A- <u>XXXX</u>

Note: <u>Fx</u> refer to Flange joint, <u>X</u> refers to cable specs

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

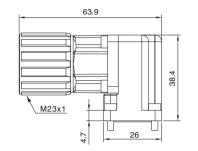






# M23 Power ,Panel Mount, Crimp, Female Thread, Right Angle Connector

- Connector series: M23 Power
- Contacts: Socket
- Mounting type: Right Angle, Front mount
- Shielding: Unshielded
- Connection Type: Crimp
- Part No.: M23-PNSRAFFx\*\*-XXXX Fx refer to Flange joint \*\*\* refers to pins number XXXX refers to cable specs





# CROHS 🛞

### General information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Zinc alloy with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>800

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature:	-40℃ ~ +125℃
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 419

### Electrical data & Mechanical data

Number of positions	6(5+PE)	8(4+3+PE)					
Contacts	5+PE	4	3	PE			
Contact OD(mm)	2.0(0.25~4.0mm <sup>2</sup> )	1.0(0.08~1.0mm <sup>2</sup> )	2.0(0.25~4.0mm <sup>2</sup> )				
Rated current @ 20°C(A)	30	9	30				
Rated Voltage(V)	630	250	630				
Impulse voltage(V)	6000	4000	6000				
Overvoltage category	II						
Pollution Degree	III						

Contacts	Contact OD (mm)	Socket	Part No.	Conta	acts	Contact OD (mm)	Socket	Part No.
06 (5+PE)	2		M23-PNSRAF <u>Fx</u> 06A- <u>XXXX</u>	08 (4+3+PE)	3+PE 4	2 1		M23-PNSRAF <u>Fx</u> 08A- <u>XXXX</u>

Note: <u>Fx</u> refer to Flange joint, <u>X</u> refers to cable specs

### Remarks

• Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.

