SURE-SEAL



SURE-SEAL® IP68 M23 SERIES CATALOG





PEI-Genesis™

Table of Contents

Technical Information 5

How to Order

M23 Series Signal Molded Cable 6
M23 Series Power Molded Cable 6
M23 Series Signal Field Wireable 7
M23 Series Power Field Wireable 7
M23 Series Signal Panel Mount 8
M23 Series Power Panel Mount 8

M23 Signal Molded Cable

M23 Signal Inline Molded Cable, Straight, Pin Contacts 9
M23 Signal Plug Molded Cable, Straight, Pin Contacts 10
M23 Signal Inline Molded Cable, Straight, Socket Contacts 11
M23 Signal Plug Molded Cable, Straight, Socket Contacts 12
M23 Signal Inline Molded Cable, Right Angle, Pin Contacts 13
M23 Signal Plug Molded Cable, Right Angle, Pin Contacts 14
M23 Signal Inline Molded Cable, Right Angle, Socket Contacts 15
M23 Signal Plug Molded Cable, Right Angle, Socket Contacts 16

M23 Signal Field Wireable

M23 Signal Inline Field Wireable, Straight, Pin Contacts 17
M23 Signal Plug Field Wireable, Straight, Pin Contacts 18
M23 Signal Inline Field Wireable, Straight, Socket Contacts 19
M23 Signal Plug Field Wireable, Straight, Socket Contacts 20
M23 Signal Inline Field Wireable, Right Angle, Pin Contacts 21
M23 Signal Inline Field Wireable, Right Angle, Socket Contacts 22
M23 Signal Plug Field Wireable, Right Angle, Pin Contacts 23
M23 Signal Inline Field Wireable, Right Angle, Socket Contacts 24
M23 Signal Inline Field Wireable, Straight, Pin Contacts, Square Flange 25
M23 Signal Inline Field Wireable, Straight, Socket Contacts, Square Flange 26
M23 Signal Inline Field Wireable, Straight, Pin Contacts, Jamnut 27
M23 Signal Inline Field Wireable, Straight, Socket Contacts, Jamnut 28

M23 Signal Panel Mount

M23 Signal Inline Panel Mount, Front Mount, Pin Contacts 29
M23 Signal Inline Panel Mount, Front Mount, Socket Contacts 30
M23 Signal Inline Panel Mount, Rear Mount, Pin Contacts 31
M23 Signal Inline Panel Mount, Rear Mount, Socket Contacts 32
M23 Signal Inline Panel Mount, Front Mount, Pin Contacts, Square Flange 35
M23 Signal Inline Panel Mount, Front Mount, Socket Contacts, Square Flange 34
M23 Signal Inline Panel Mount, Rear Mount, Pin Contacts, Square Flange 33
M23 Signal Inline Panel Mount, Rear Mount, Socket Contacts, Square Flange 36
M23 Signal Inline Panel Mount, PCB,Rear Mount, Pin Contacts 37
M23 Signal Inline Panel Mount, PCB, Rear Mount, Socket Contacts 38
M23 Signal Inline Panel Mount, PCB, Front Mount, Pin Contacts 39

M23 Signal Panel Mount (continued)

M23 Signal Inline Panel Mount, PCB, Front Mount, Socket Contacts 40

M23 Power Molded Cable

M23 Power Inline Molded Cable, Straight, Pin Contacts 41
M23 Power Plug Molded Cable, Straight, Socket Contacts 42
M23 Power Inline Molded Cable, Right Angle, Pin Contacts 43
M23 Power Plug Molded Cable, Right Angle, Socket Contacts 44

M23 Power Field Wireable

M23 Power Inline Field Wireable, Straight, Pin Contacts 45
M23 Power Plug Field Wireable, Straight, Socket Contacts 46

M23 Power Panel Mount

M23 Power Inline Panel Mount, Crimp, Front Mount, Pin Contacts 47
M23 Power Plug Panel Mount, Crimp, Front Mount, Socket Contacts 48
M23 Power Inline Panel Mount, Crimp, Pin Contacts 49
M23 Power Plug Panel Mount, Right Angle, Socket Contacts 50

M23 Metal Protection Cap

M23 Metal Protection Cap for Male 51
M23 Metal Protection Cap for Female 51

M23 Signal Connector Accessories 52

M23 Signal Solder Panel Type Assembly Instruction 53

M23 Signal Connectors/Assembly Instructions

Straight Connector, Female Thread, Solder Type 54
Straight Connector, Male Thread, Solder Type 54
Straight Connector, Male Thread, Crimp Type 55
Straight Connector, Female Thread, Crimp Type 55
Right Angle Connector, Male Thread, Crimp Type 56
Right Angle Connector, Female Thread, Crimp Type 56

M23 Power Connectors/Assembly Instructions

Straight Connector, Female Thread, Crimp Type 57
Straight Connector, Male Thread, Crimp Type 57

M23 Power Panel Type Connectors/Assembly Instructions

Straight Connector, Male Thread, Crimp Type 58
Straight Connector, Female Thread, Crimp Type 58
Angled Connector, Male Thread, Crimp Type 59
Angled Connector, Female Thread, Crimp Type 59

M23 PCB Layout & Panel Cut-out

PCB Layout 60
Panel Cut-out Dimensions 60

M23 Part Numbers 61

Technical Information

Wire Gauge Conversion Chart

Conversion between American Wire Gauge (AWG), Circular Mil Area (CMA), and approximate metric millimeter squared (mm^2) wire sizes.

Diameter			Area	
AWG	in.	mm	CMA	mm^{2*}
4/0 (0000)	0.46	11.68	212000	120
3/0 (000)	0.41	10.41	168000	95
2/0 (00)	0.365	9.27	133000	70
1/0 (0)	0.325	8.26	106000	50
1	0.289	7.34	83700	-
2	0.258	6.55	66400	35
3	0.229	5.82	52600	-
4	0.204	5.18	41700	25
5	0.182	4.62	33100	-
6	0.162	4.11	26300	16
7	0.144	3.66	20800	-
8	0.128	3.25	16500	10
9	0.114	2.90	13100	-
10	0.102	2.59	10400	6
11	0.091	2.31	8230	-
12	0.081	2.06	6530	4
13	0.072	1.83	5180	-

Diameter			Area	
AWG	in.	mm	CMA	mm^{2*}
14	0.062	1.57	4110	2.5
15	0.057	1.45	3260	-
16	0.051	1.30	2580	1.5
17	0.045	1.14	2050	1
18	0.040	1.02	1620	0.75
19	0.036	0.91	1290	-
20	0.032	0.81	1020	0.5
21	0.0285	0.72	810	-
22	0.0253	0.643	642	0.34
23	0.0226	0.574	509	-
24	0.0201	0.511	404	0.25
25	0.0179	0.45	320	-
26	0.0159	0.404	254	0.14
27	0.0142	0.361	202	-
28	0.0126	0.320	160	0.08
29	0.0113	0.29	127	-
30	0.01	0.254	101	0.05

*Nearest metric wire size
Use to Convert American Wire Gauge to Diameter and Circular Mil Area.

How to Order

M23 Series Signal Molded Cable

1		2	3		4	5	6		7	8
IPM23	**-**	**S**	**09A**	**-**	**M**	**S**	**WL**	**-**	**1.0**	**S**
SERIES		TYPE	CODING & # CONTACTS		GENDER	CONTACT GENDER	ANGLE		ASSEMBLY LENGTH	CABLE SHEATH & SHIELDING

SERIES
IPM23 = M23

TYPE
S = Signal

CODING & # CONTACTS
See pages 9-42 for details
06A 12B
07A 16A
09A 17A
09B 17B
12A 19A

GENDER
F = Female Housing
M = Male Housing

CONTACT GENDER
P = Pin
S = Socket

ANGLE
WL = Straight
RA - WL = Right Angled

ASSEMBLY LENGTH*
1.5 = 1.5 meters
2.0 = 2 meters
3.0 = 3 meters
5.0 = 5 meters
10 = 10 meters

CABLE SHEATH & SHIELDING**
= PVC, Unshielded
S = PVC, Shielded

* Additional lengths are available upon request
** Custom cables are available on request

M23 Series Power Molded Cable

1		2	3		4	5	6		7	8
IPM23	**-**	**P**	**08**	**-**	**M**	**S**	**WL**	**-**	**1.0**	**S**
SERIES		TYPE	CODING & # CONTACTS		GENDER	CONTACT GENDER	FASTENING		ASSEMBLY LENGTH	CABLE SHEATH & SHIELDING

SERIES
IPM23 = M23

TYPE
P = Power

CODING & # CONTACTS
See pages 43-52 for details
06
08

GENDER
F = Female Housing
M = Male Housing

CONTACT GENDER
P = Pin
S = Socket

ANGLE
WL = Straight
RA - WL = Right Angled

ASSEMBLY LENGTH*
1.5 = 1.5 meters
2.0 = 2 meters
3.0 = 3 meters
5.0 = 5 meters
10 = 10 meters

CABLE SHEATH & SHIELDING**
= PVC, Unshielded
S = PVC, Shielded

* Additional lengths are available upon request
** Custom cables are available on request

How to Order

M23 Series Signal Field Wireable

1		2	3		4	5	6	7
IPM23	**-**	**S**	**08**	**-**	**M**	**S**	**-SCFT-S**	**-1**
SERIES		TYPE	CODING & CONTACTS		GENDER	CONTACT GENDER	TYPE	GLAND SIZE

SERIES
IPM23 = M23

TYPE
S = Signal

CODING & # CONTACTS
See pages 9-42 for details

06A 12B
07A 16A
09A 17A
09B 17B
12A 19A

GENDER
F = Female Housing
M = Male Housing

CONTACT GENDER
P = Pin
S = Socket

TYPE
- SCFT - S = Solder Contacts, Shielded
- RA - SCFT - S = Right Angled, Solder Contacts, Shielded
- SCSQ - S = Square Flange, Solder Contacts, Shielded
- SCJN - S = Jamnut, Solder Contacts, Shielded
- CCFT - S = Crimp Contacts, Shielded
- CCSQ - S = Square Flange, Crimp Contacts, Shielded
- CCJN - S = Jamnut, Crimp Contacts, Shielded

GLAND SIZE
-1 = 5.0 mm to 6.0 mm
-2 = 6.0 mm to 7.0 mm
-3 = 7.0 mm to 8.0 mm
-4 = 8.0 mm to 9.0 mm
-5 = 9.0 mm to 10.0 mm

M23 Series Power Field Wireable

1		2	3		4	5	6
IPM23	**-**	**P**	**08**	**-**	**M**	**S**	**-CCFT-S**
SERIES		TYPE	CODING & CONTACTS		GENDER	CONTACT GENDER	TYPE

SERIES
IPM23 = M23

TYPE
P = Power

CODING & # CONTACTS
See pages 43-52 for details
06
08

GENDER
F = Female Housing
M = Male Housing

CONTACT GENDER
P = Pin
S = Socket

TYPE
- CCFT - S = Crimp Contacts, Shielded

How to Order

M23 Series Signal Panel Mount

1		2	3		3	4	5		6
IPM23	**-**	**S**	**07A**	**-**	**M**	**F**	**-RM**	**-**	**SC**
SERIES		TYPE	CODING & # CONTACTS		GENDER	CONTACT GENDER	FASTENING		CONTACT TYPE

SERIES
IPM23 = M23

TYPE
S = Signal

CODING & # CONTACTS
See pages 9-42 for details

06A 12B
07A 16A
09A 17A
09B 17B
12A 19A

GENDER
F = Female Housing
M = Male Housing

CONTACT GENDER
P = Pin
S = Socket

FASTENING*
(blank) = Front Mount
-RM = Rear Mount

CONTACT TYPE
PC = Straight PC
SC = Solder Cup
PCSQ = Square Flange, PC Tails
SCSQ = Square Flange, Solder Cup

* Rear mount fastening only available in signal connectors

M23 Series Power Panel Mount

1		2	3		3	4	5		6
IPM23	**-**	**P**	**08**	**-**	**M**	**P**		**-**	**CCSQ**
SERIES		TYPE	CODING & # CONTACTS		GENDER	CONTACT GENDER	FASTENING		CONTACT TYPE

SERIES
IPM23 = M23

TYPE
P = Power

CODING & # CONTACTS
See pages 43-52 for details
06
08

GENDER
F = Female Housing
M = Male Housing

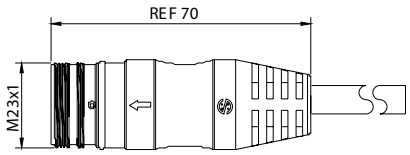
CONTACT GENDER
P = Pin
S = Socket

FASTENING
(blank) = Front Mount

CONTACT TYPE
CCSQ = Square Flange, Crimp Contacts
RA-CCSQ = Square Flange, Right Angled, Crimp Contacts

M23 Signal Inline Molded Cable, Straight, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-MPWL-XXX
*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

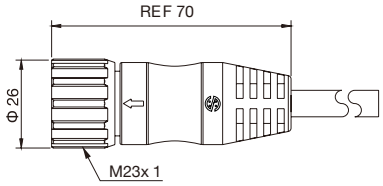
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Plug Molded Cable, Straight, Pin Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Pin
Mounting type: Straight
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-FPWL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

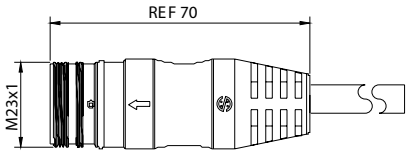
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Signal Inline Molded Cable, Straight, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Straight
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-MSWL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

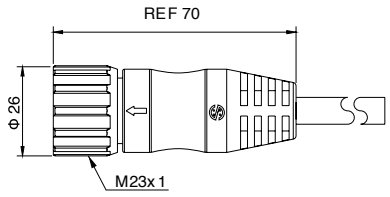
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Signal Plug Molded Cable, Straight, Socket Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Socket
Mounting type: Straight
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-FSWL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

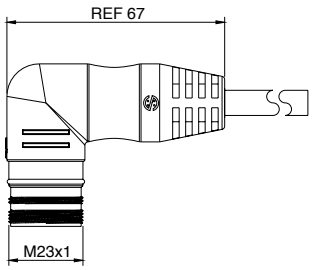
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Signal Inline Molded Cable, Right Angle, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-MPRA-WL-XXX

*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

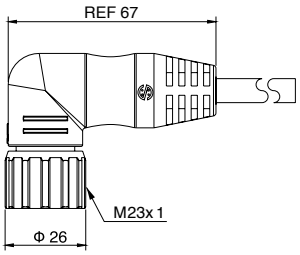
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Plug Molded Cable, Right Angle, Pin Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Pin
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-FPRA-WL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

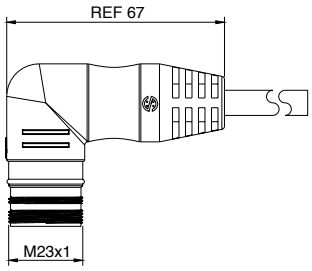
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Signal Inline Molded Cable, Right Angle, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-MSRA-WL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

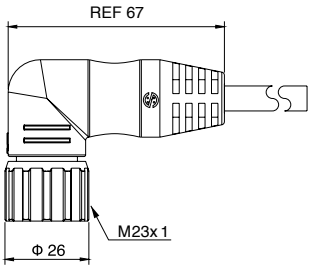
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Plug Molded Cable, Right Angle, Socket Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Socket
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Part No.: IPM23-S***-FSRA-WL-XXX
*** refers to coding and number of contacts
X refers to cable length





General Information

Connector overmold:	TPU
Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR

Operation cycles:	>880
Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

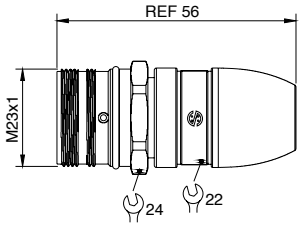
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Signal Inline Field Wireable, Straight, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MP-CCFT-S-# (crimp)
IPM23-S***-MP-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500		
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500	II	III
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

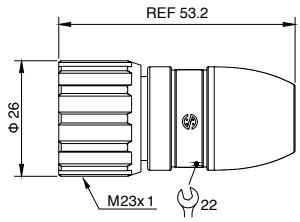
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Plug Field Wireable, Straight, Pin Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Pin
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-FP-CCFT-S-# (crimp)
IPM23-S***-FP-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55

Cable OD:
1 = 5.0 mm to 6.0 mm
2 = 6.0 mm to 7.0 mm
3 = 7.0 mm to 8.0 mm
4 = 8.0 mm to 9.0 mm
5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

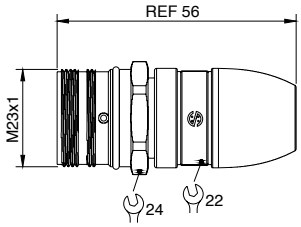
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Field Wireable, Straight, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MS-CCFT-S-# (crimp)
IPM23-S***-MS-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

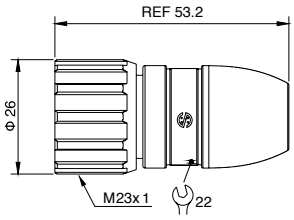
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Plug Field Wireable, Straight, Socket Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Socket
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-FS-CCFT-S-# (crimp)
IPM23-S***-FS-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55

Cable OD:
1 = 5.0 mm to 6.0 mm
2 = 6.0 mm to 7.0 mm
3 = 7.0 mm to 8.0 mm
4 = 8.0 mm to 9.0 mm
5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

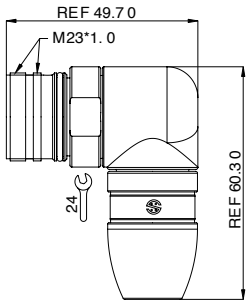
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Field Wireable, Right Angle, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Right Angle
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MPRA-CCFT-S-# (crimp)
IPM23-S***-MPRA-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500		
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500	II	III
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

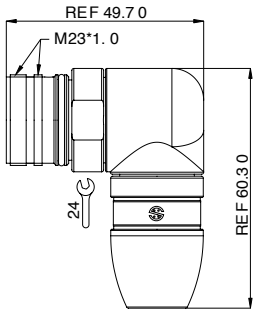
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Field Wireable, Right Angle, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Right Angle
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MSRA-CCFT-S-# (crimp)
IPM23-S***-MSRA-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

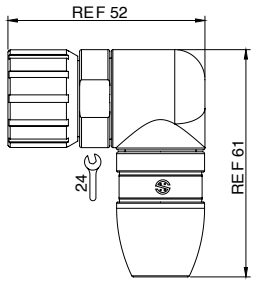
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Plug Field Wireable, Right Angle, Pin Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Pin
Mounting type: Right Angle
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-FPRA-CCFT-S-# (crimp)
IPM23-S***-FPRA-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

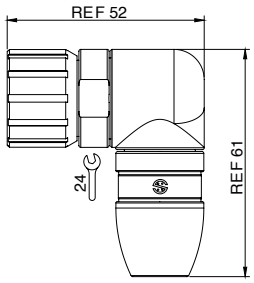
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Field Wireable, Right Angle, Socket Contacts

Connector series: M23 Signal
Gender: Female
Contacts: Socket
Mounting type: Right Angle
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-FSRA-CCFT-S-# (crimp)
IPM23-S***-FSRA-SCFT-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55

Cable OD:
1 = 5.0 mm to 6.0 mm
2 = 6.0 mm to 7.0 mm
3 = 7.0 mm to 8.0 mm
4 = 8.0 mm to 9.0 mm
5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

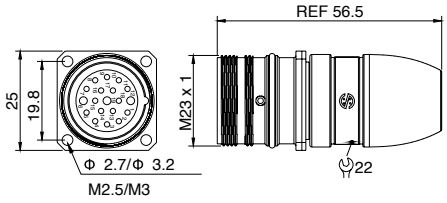
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Field Wireable, Straight, Pin Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MP-CCSQ-S-# (crimp)
IPM23-S***-MP-SCSQ-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Zinc alloy with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

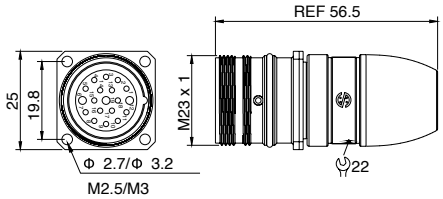
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Field Wireable, Straight, Socket Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MS-CCSQ-S-# (crimp)
IPM23-S***-MS-SCSQ-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55

Cable OD:
1 = 5.0 mm to 6.0 mm
2 = 6.0 mm to 7.0 mm
3 = 7.0 mm to 8.0 mm
4 = 8.0 mm to 9.0 mm
5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

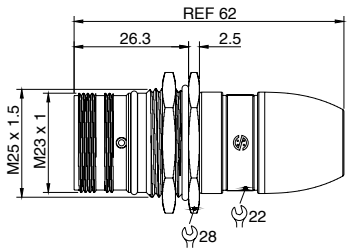
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Field Wireable, Straight, Pin Contacts, Jamnut

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MP-CCJN-S-# (crimp)
IPM23-S***-MP-SCJN-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55
Cable OD:	1 = 5.0 mm to 6.0 mm 2 = 6.0 mm to 7.0 mm 3 = 7.0 mm to 8.0 mm 4 = 8.0 mm to 9.0 mm 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

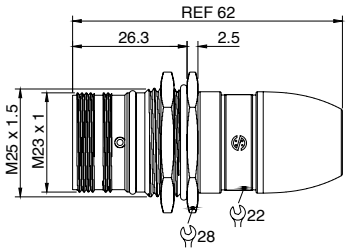
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Field Wireable, Straight, Socket Contacts, Jamnut

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Straight
Shielding: Shielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MS-CCJN-S-# (crimp)
IPM23-S***-MS-SCJN-S-# (solder)

*** refers to coding and number of contacts
# signifies the gland sealing diameter





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling nut/screw:	Brass with nickel plated
Connector body:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to pages 54 & 55

Cable OD: 1 = 5.0 mm to 6.0 mm; 2 = 6.0 mm to 7.0 mm; 3 = 7.0 mm to 8.0 mm; 4 = 8.0 mm to 9.0 mm; 5 = 9.0 mm to 10.0 mm

Electrical Data & Mechanical Data

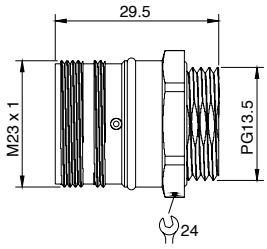
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Signal Inline Panel Mount, Front Mount, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MP-SC
*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

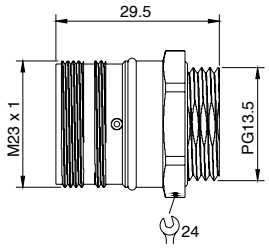
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, Front Mount, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MS-SC
*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500		
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500	II	III
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

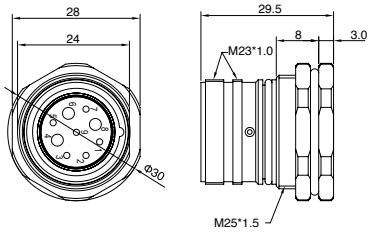
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Signal Inline Panel Mount, Rear Mount, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MP-RM-SC
IPM23-S***-MP-RM-CC

*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

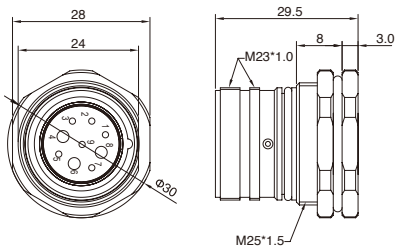
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, Rear Mount, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: Solder/Crimp
Part No.: IPM23-S***-MS-RM-SC
IPM23-S***-MS-RM-CC

*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

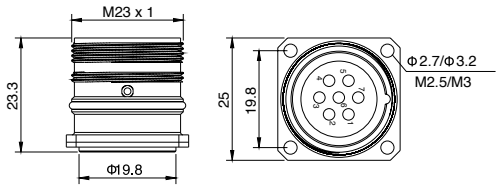
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Signal Inline Panel Mount, Front Mount, Pin Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MP-SCSQ
*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

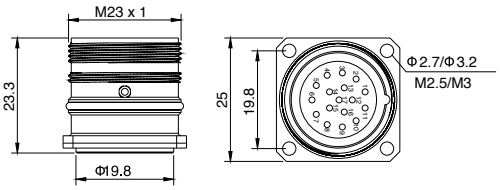
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, Front Mount, Socket Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MS-SCSQ
*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

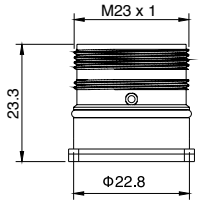
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

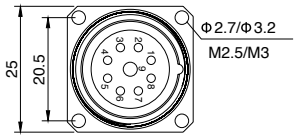
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Signal Inline Panel Mount, Rear Mount, Pin Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MP-RM-SCSQ
*** refers to coding and number of contacts







General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

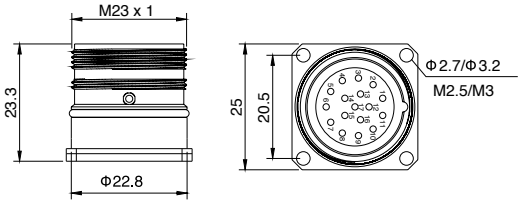
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, Rear Mount, Socket Contacts, Square Flange

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: Solder
Part No.: IPM23-S***-MS-RM-SCSQ
*** refers to coding and number of contacts





General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Assembly Instruction:	Refer to page 53
Panel cut-out:	Refer to page 60

Electrical Data & Mechanical Data

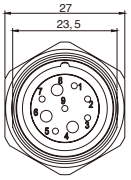
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

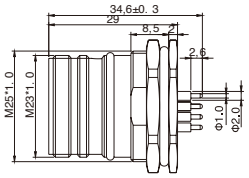
Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Signal Inline Panel Mount, PCB, Rear Mount, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: PCB
Part No.: IPM23-S***-MP-RM-PC
*** refers to coding and number of contacts







General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 60
PCB layout:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500		
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500	II	III
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

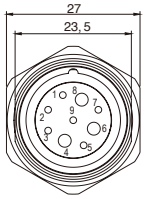
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

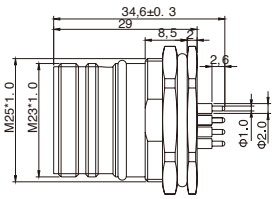
SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, PCB, Rear Mount, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Rear Mount
Shielding: Unshielded
Connection Type: PCB
Part No.: IPM23-S***-MS-RM-PC
*** refers to coding and number of contacts







General Information

Connector insert:	PA
Connector contacts:	Brass with gold plated
Coupling screw:	Brass with nickel plated
Seal / O-ring:	FKM or NBR
Operation cycles:	>880

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 60
PCB layout:	Refer to page 60

Electrical Data & Mechanical Data

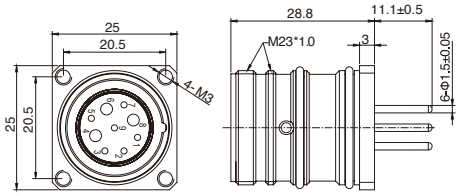
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Signal Inline Panel Mount, PCB, Front Mount, Pin Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Pin
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: PCB
Part No.: IPM23-S***-MP-PCSQ
*** refers to coding and number of contacts





General Information

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

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 60
PCB layout:	Refer to page 60

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

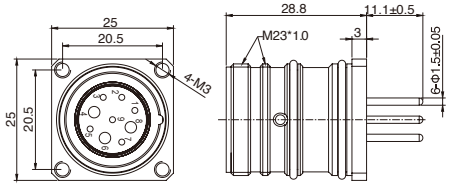
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Signal Inline Panel Mount, PCB, Front Mount, Socket Contacts

Connector series: M23 Signal
Gender: Male
Contacts: Socket
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: PCB
Part No.: IPM23-S***-MS-PCSQ
*** refers to coding and number of contacts





General Information

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

Insulation resistance:	≥100MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-40°C ~ +125°C
IP rating:	IP68 in locked condition
Panel cut-out:	Refer to page 60
PCB layout:	Refer to page 60

Electrical Data & Mechanical Data

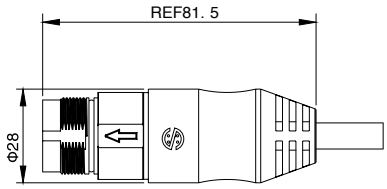
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06A	6		2.0 (14 AWG)	20	300	2500	II	III
07A	7		2.0 (14 AWG)	20	300	2500		
09A	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09B	8		1.0 (18 AWG)	8	300	2500		
	1		2.0 (14 AWG)	20	300	2500		
09C	6		1.0 (18 AWG)	8	300	2500		
	3		2.0 (14 AWG)	20	300	2500		
12A (Standard)	12		1.0 (18 AWG)	8	300	1500		
12B	12		1.0 (18 AWG)	8	300	1500		
16A	16		1.0 (18 AWG)	8	160	1500		
17A (Standard)	17		1.0 (18 AWG)	8	160	1500		
17B	17		1.0 (18 AWG)	8	160	1500		
19A	16		1.0 (18 AWG)	8	160	1500		
	3		1.5 (16 AWG)	10	160	1500		

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Power Inline Molded Cable, Straight, Pin Contacts

Connector series: M23 Power
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded or Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-MPWL-XXX
*** refers to coding and number of contacts
X refers to cable length





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

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

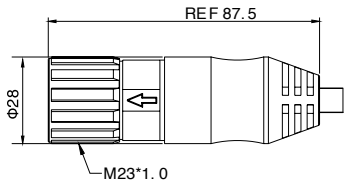
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Power Plug Molded Cable, Straight, Socket Contacts

Connector series: M23 Power
Gender: Female
Contacts: Socket
Mounting type: Straight
Shielding: Shielded or Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-FSWL-XXX
*** refers to coding and number of contacts
X refers to cable length





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

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

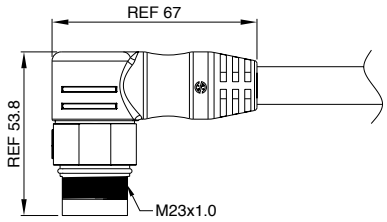
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Power Inline Molded Cable, Right Angle, Pin Contacts

Connector series: M23 Power
Gender: Male
Contacts: Pin
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-MPRA-WL-XXX
*** refers to coding and number of contacts
X refers to cable length





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

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

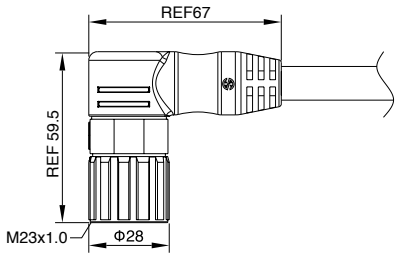
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm^2
- Please refer to Page 6 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Power Plug Molded Cable, Right Angle, Socket Contacts

Connector series: M23 Power
Gender: Female
Contacts: Socket
Mounting type: Right Angle
Shielding: Shielded or Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-FSRA-WL-XXX
*** refers to coding and number of contacts
X refers to cable length





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

Insulation resistance:	≥1000MΩ
Contact resistance:	≤5mΩ
Ambient temperature	-20°C ~ +80°C
IP rating:	IP68 in locked condition

Electrical Data & Mechanical Data

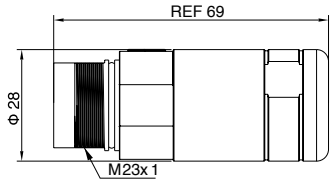
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 6 for part number breakdown.

M23 Power Inline Field Wireable, Straight, Pin Contacts

Connector series: M23 Power
Gender: Male
Contacts: Pin
Mounting type: Straight
Shielding: Shielded
Connection Type: Crimp
Part No.: IPM23-P***-MP-CCFT-S
*** refers to coding and number of contacts





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
Cable OD range:	2.0 ~ 16
Assembly Intruction:	Refer to page 57

Electrical Data & Mechanical Data

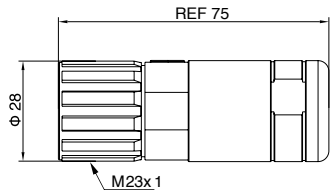
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Power Plug Field Wireable, Straight, Socket Contacts

Connector series: M23 Power
Gender: Female
Contacts: Socket
Mounting type: Straight
Shielding: Shielded
Connection Type: Crimp
Part No.: IPM23-P***-FS-CCFT-S
*** refers to coding and number of contacts





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
Cable OD range:	2.0 ~ 16
Assembly Intruction:	Refer to page 57

Electrical Data & Mechanical Data

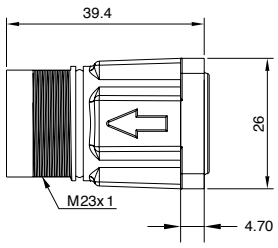
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 7 for part number breakdown.

M23 Power Inline Panel Mount, Crimp, Front Mount, Pin Contacts

Connector series: M23 Power
Gender: Male
Contacts: Pin
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-MP-CCSQ
*** refers to coding and number of contacts





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 Intruction:	Refer to page 58

Electrical Data & Mechanical Data

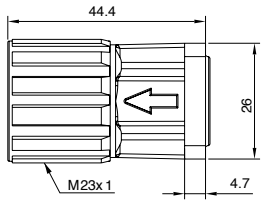
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Power Plug Panel Mount, Crimp, Front Mount, Socket Contacts

Connector series: M23 Power
Gender: Female
Contacts: Socket
Mounting type: Front Mount
Shielding: Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-FS-CCSQ
*** refers to coding and number of contacts





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 Intruction:	Refer to page 58

Electrical Data & Mechanical Data

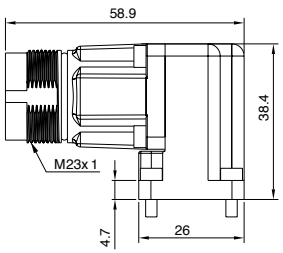
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Power Inline Panel Mount, Crimp, Pin Contacts

Connector series: M23 Power
Gender: Male
Contacts: Pin
Mounting type: Right Angle, Front Mount
Shielding: Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-MPRA-CCSQ
*** refers to coding and number of contacts





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 Intruction:	Refer to page 59

Electrical Data & Mechanical Data

Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

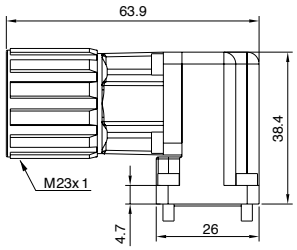
- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

SURE-SEAL

PEI-Genesis™
www.peigenesis.com

M23 Power Plug Panel Mount, Right Angle, Socket Contacts

Connector series: M23 Power
Gender: Female
Contacts: Socket
Mounting type: Right Angle, Front Mount
Shielding: Unshielded
Connection Type: Crimp
Part No.: IPM23-P***-FSRA-CCSQ
*** refers to coding and number of contacts





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 Intruction:	Refer to page 59

Electrical Data & Mechanical Data

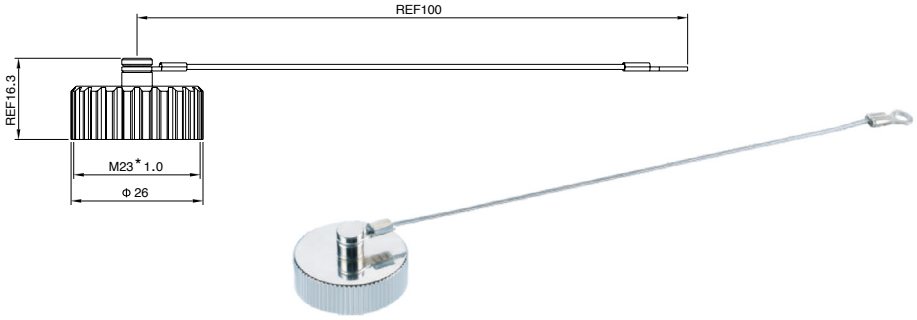
Contacts			Contact OD (mm)	Rated Current @ 20C(A)	Voltage		Overvoltage Category	Pollution Degree
Code	#	Insert Layout			Rated	Impulse(V)		
06	6		2.0 (14 AWG)	30	630	6000	II	III
08	4		1.0 (14 AWG)	9	250	4000		
	3		2.0 (14 AWG)	30	630	6000		
	PE							

Notes

- Please refer to Page 5 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm²
- Please refer to Page 8 for part number breakdown.

M23 Metal Protection Cap for Male Panel Mount Connector

Connector series: M23
Gender: Male
Locking type: Fix Screw
Part No.: IPM23-CAP-M-PNL



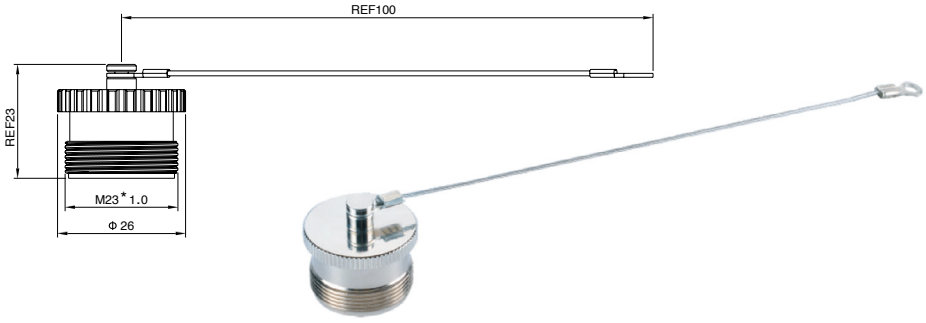
General Information

Cap:	Aluminium alloy with nickel plated
Dowels	Ferrum with nickel plated
Wire:	Stainless steel wire

Terminal:	M3 R type terminal (RNB1-3.2)
Gasket:	Black NBR
IP rating:	IP68 in locked condition

M23 Metal Protection Cap for Female Panel Mount Connector

Connector series: M23
Gender: Female
Locking type: Fix Screw
Part No.: IPM23-CAP-F-PNL



General Information

Cap:	Aluminium alloy with nickel plated
Dowels:	Ferrum with nickel plated
Wire:	Stainless steel wire

Terminal:	M3 R type terminal (RNB1-3.2)
Gasket:	FKM
IP rating:	IP68 in locked condition

M23 Signal Connector Accessories

Connector series: M23

Assembly tool for M23 signal connectors
For connectors with female thread
Part No.: IPM23-TL-F



Connector series: M23

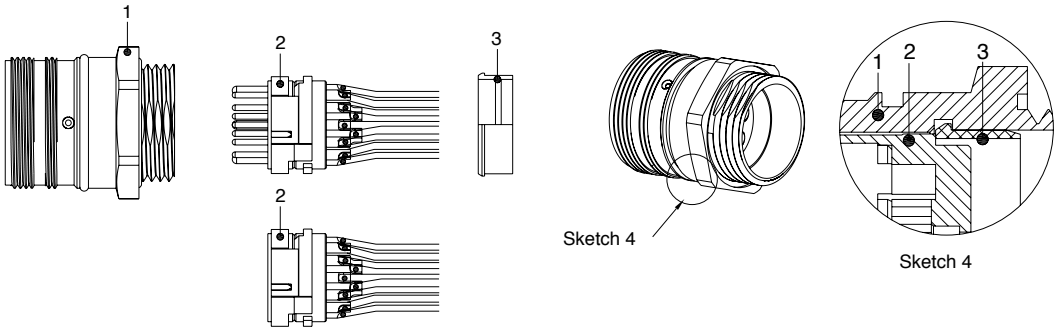
Assembly tool for M23 signal connectors
For connectors with male thread
Part No.: IPM23-TL-M



M23 Signal Solder Panel Type Assembly Instruction

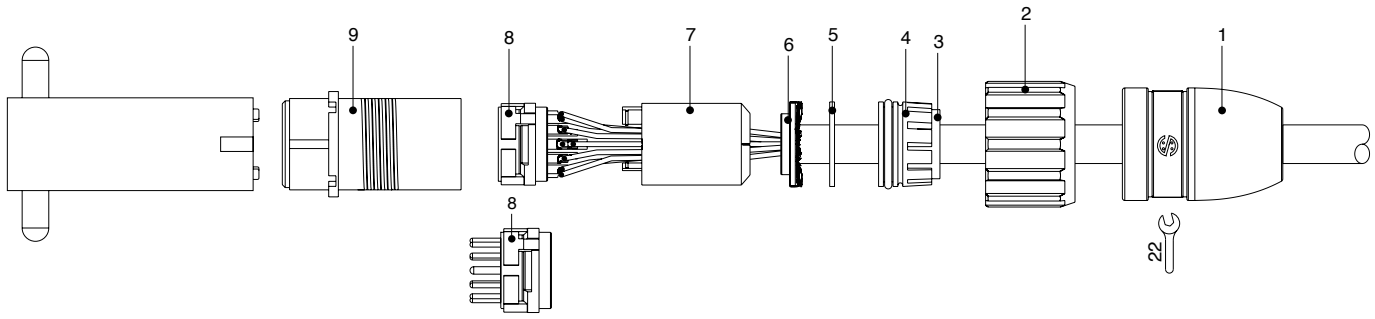
Assembly Instructions:

a. Solder the wires to contact cup.
b. Guide the insert (2) into the screw (1).
c. Push the Fastening (3) into the screw (1) to reach snap-fit locking as per Sketch 4.



M23 Signal Connectors/Assembly Instructions

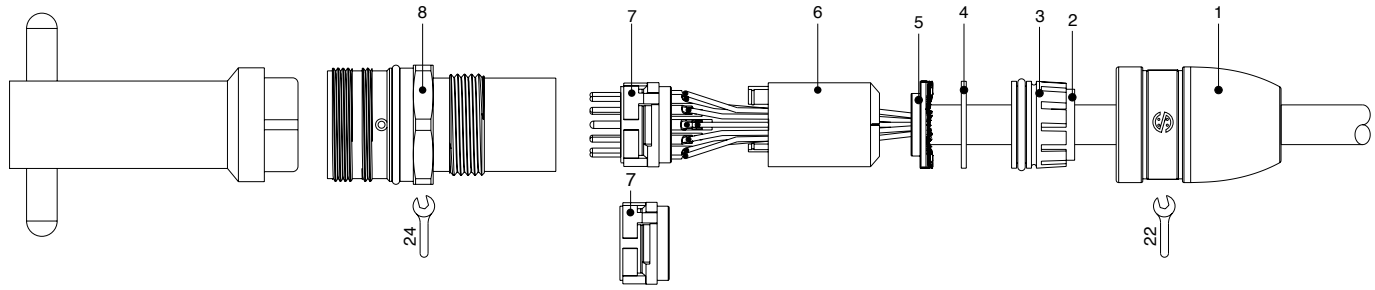
Straight Connector, Female Thread, Solder Type



Assembly Instructions:

a. Push the adapter (1) nut (2) and the sealing element (4) with gasket (3) and metallic gasket (5) over the cable sheath;
b. Strip the external sheath to a length of 24mm;
c. Push back the shielding screen such that it stands out at 90° and cut it flush with the outer diameter of the shield disc (6);
d. Strip the wires to a length of 2.5mm, twist and tin plate;
e. Solder the wires to the contacts;
f. Insert the spacer sleeve (7);
g. Guide the insert (8) and spacer sleeve (7) into the insert sleeve (9);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

Straight Connector, Male Thread, Solder Type

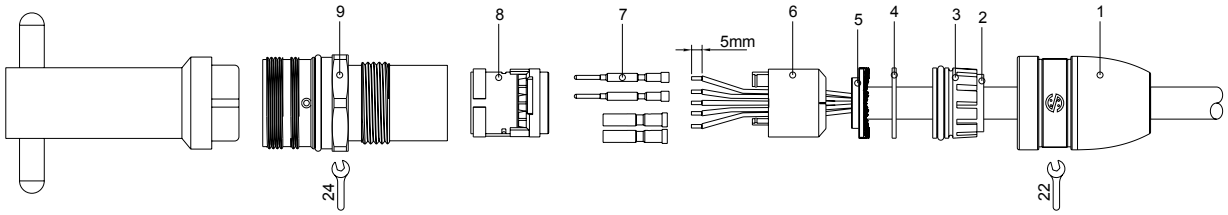


Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) and metallic gasket (4) over the cable sheath;
b. Strip the external sheath to a length of 24mm;
c. Push back the shielding screen such that it stands out at 90° and cut it flush with the outer diameter of the shield disc (5);
d. Strip the wires to a length of 2.5mm, twist and tin plate;
e. Solder the wires to the contacts;
f. Insert the spacer sleeve (6);
g. Guide the insert (7) and spacer sleeve (6) into the insert sleeve (8);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

M23 Signal Connectors/Assembly Instructions

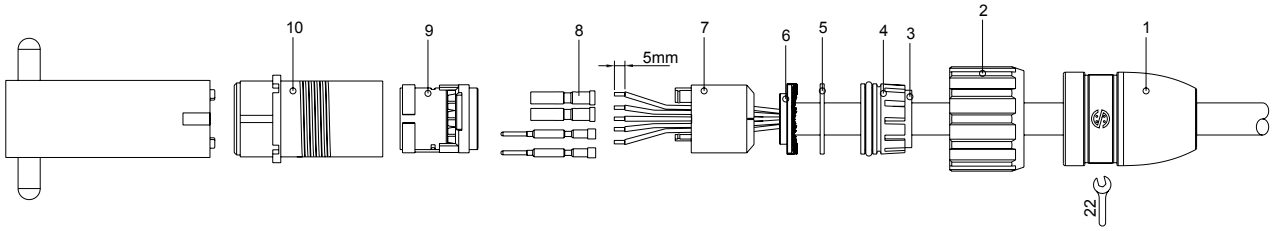
Straight Connector, Male Thread, Crimp Type



Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) and metallic gasket (4) over the cable sheath;
b. Strip the external sheath to a length of 20mm;
c. Push back the shielding screen such that it stands out at 90° and cut it flush with the outer diameter of the shield disc (5);
d. Strip the wires to a length of 5.0mm;
e. Crimp the wires to the contacts (7);
f. Insert the spacer sleeve(6);
g. Guide the insert (8) and spacer sleeve (6) into the insert sleeve (9);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

Straight Connector, Female Thread, Crimp Type

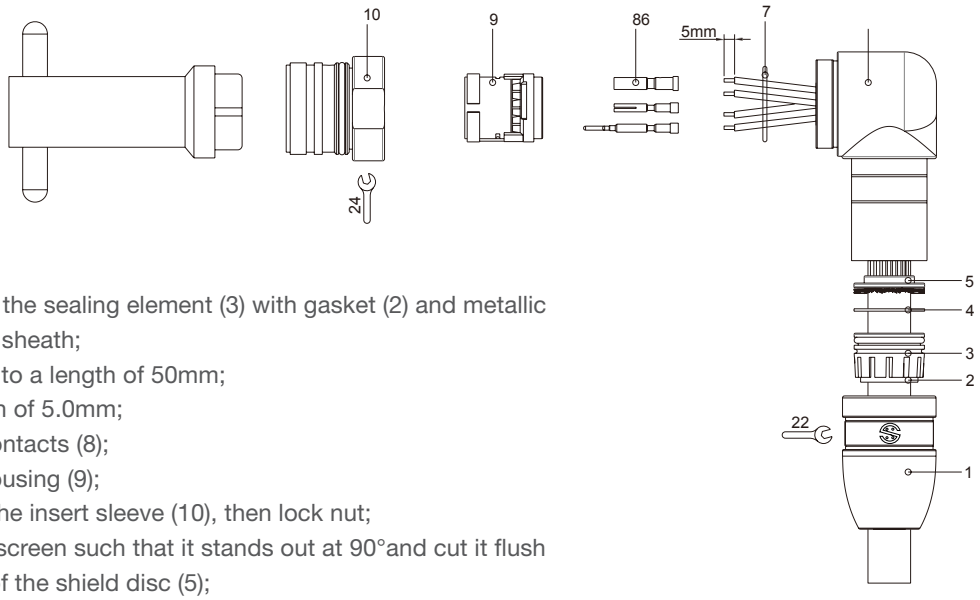


Assembly Instructions:

a. Push the adapter (1) nut (2) and the sealing element (4) with gasket (3) and metallic gasket (5) over the cable sheath;
b. Strip the external sheath to a length of 20mm;
c. Push back the shielding screen such that it stands out at 90°and cut it flush with the outer diameter of the shield disc (6);
d. Strip the wires to a length of 5.0mm;
e. Crimp the wires to the contacts (8);
f. Insert the spacer sleeve (7);
g. Guide the insert (9) and spacer sleeve (7) into the insert sleeve (10);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

M23 Signal Connectors/Assembly Instructions

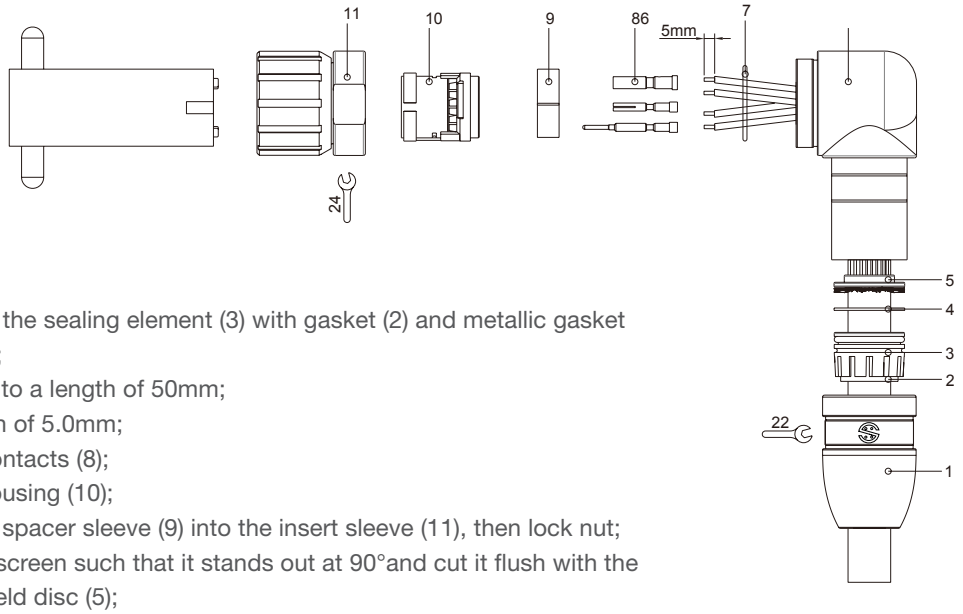
Right Angle Connector, Male Thread, Crimp Type



Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) and metallic gasket (4) over the cable sheath;
b. Strip the external sheath to a length of 50mm;
c. Strip the wires to a length of 5.0mm;
d. Crimp the wires to the contacts (8);
e. Contacts (8) insert the housing (9);
f. Guide the insert (9) into the insert sleeve (10), then lock nut;
g. Push back the shielding screen such that it stands out at 90°and cut it flush with the outer diameter of the shield disc (5);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

Right Angle Connector, Female Thread, Crimp Type

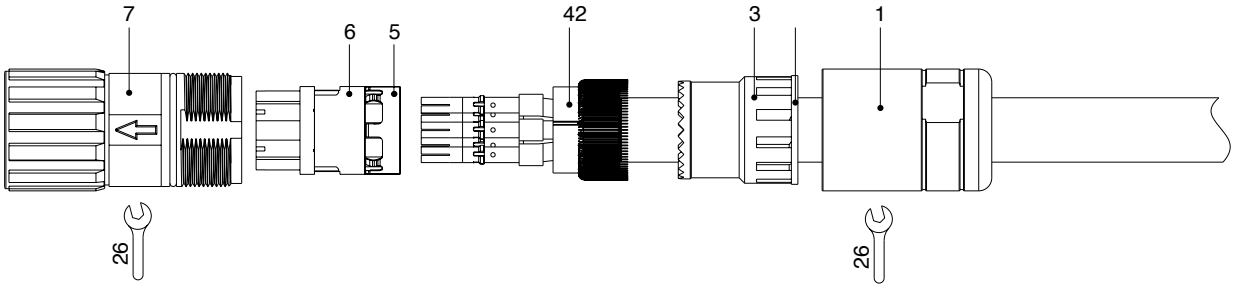


Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) and metallic gasket (4) over the cable sheath;
b. Strip the external sheath to a length of 50mm;
c. Strip the wires to a length of 5.0mm;
d. Crimp the wires to the contacts (8);
e. Contacts (8) insert the housing (10);
f. Guide the insert (10) and spacer sleeve (9) into the insert sleeve (11), then lock nut;
g. Push back the shielding screen such that it stands out at 90°and cut it flush with the outer diameter of the shield disc (5);
h. Press in the cable with the shield and sealing unit;
i. Screw the adapter (1) as tight as possible.

M23 Power Connectors/Assembly Instructions

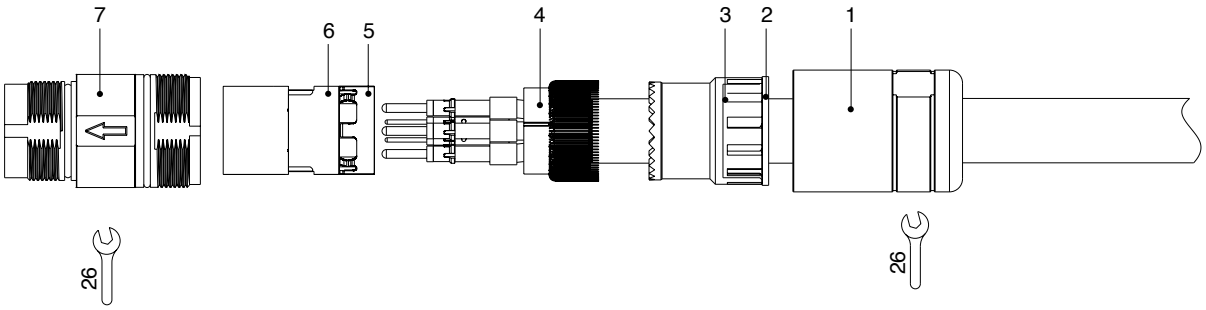
Straight Connector, Female Thread, Crimp Type



Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) onto the cable;
b. Strip the external sheath: 30mm;
c. Trim and remove the foil, wadding and inner insulation;
d. Unbraid the braided screen and push it back;
e. Strip the conductors insulation: 9.0mm;
f. Crimp the conductors to the contacts;
g. Insert the contacts into contact carrier (6);
h. Snap-fit earth spring (5) onto the contact carrier (6)
i. Open the spacer sleeve (4), fit it before the braided screen and clip them together;
j. Guide the contact carrier (6) and the space sleeve (4) into the insert sleeve (7);
k. Push up the braided screen and slide the sealing element (3) with the braided screen firmly against the space sleeve (4) until the teeth lock;
l. Cut the shielding to length if necessary and twist the remaining shielding into the space provided (3);
m. Screw the adapter (1) as tight as possible.

Straight Connector, Male Thread, Crimp Type

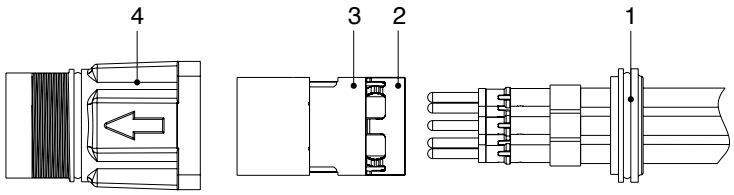


Assembly Instructions:

a. Push the adapter (1) and the sealing element (3) with gasket (2) onto the cable;
b. Strip the external sheath: 30mm;
c. Trim and remove the foil, wadding and inner insulation;
d. Unbraid the braided screen and push it back;
e. Strip the conductors insulation: 9.0mm;
f. Crimp the conductors to the contacts;
g. Insert the contacts into contact carrier (6);
h. Snap-fit earth spring (5) onto the contact carrier (6)
i. Open the spacer sleeve (4), fit it before the braided screen and clip them together;
j. Guide the contact carrier (6) and the space sleeve (4) into the insert sleeve (7);
k. Push up the braided screen and slide the sealing element (3) with the braided screen firmly against the space sleeve (4) until the teeth lock;
l. Cut the shielding to length if necessary and twist the remaining shielding into the space provided (3);
m. Screw the adapter (1) as tight as possible.

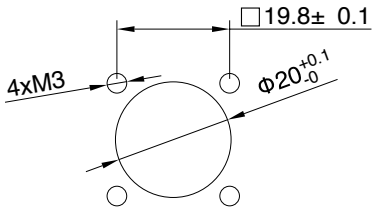
M23 Power Panel Type Connectors/Assembly Instructions

Straight Connector, Male Thread, Crimp Type



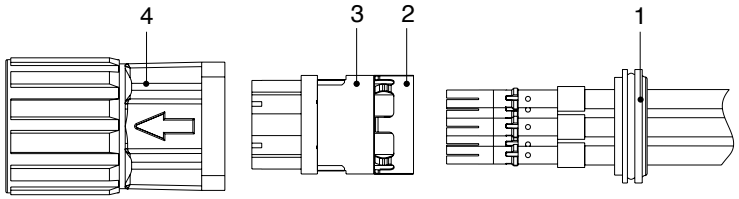
Assembly Instructions:

a. Strip the wires insulation: 9.0mm;
b. Crimp the conductors to the contacts;
c. Insert the contacts into contact carrier (3);
d. Snap-fit earth spring (2) onto the contact carrier (3);
e. Guide the wires through the support ring (1);
f. Guide the contact carrier (3) into the insert sleeve (4);
g. Insert the support ring (1) in the sleeve (4);
h. Fasten the assembled connectors to the mounting panel using screws (M3*0.5).



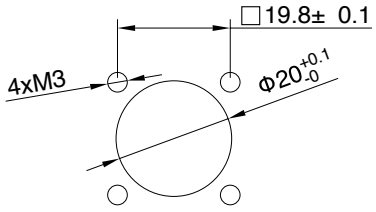
Installation dimensions

Straight Connector, Female Thread, Crimp Type



Assembly Instructions:

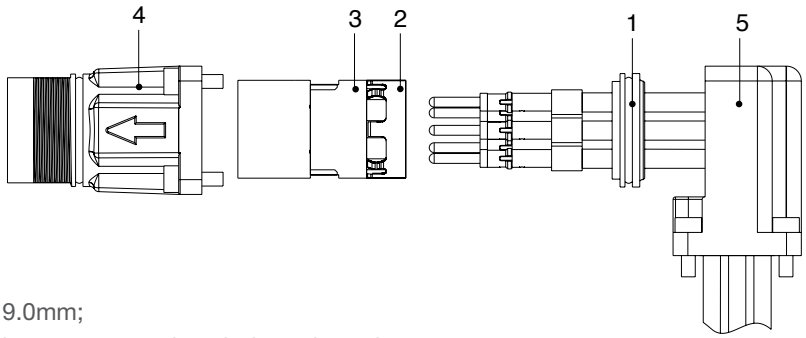
a. Strip the wires insulation: 9.0mm;
b. Crimp the conductors to the contacts;
c. Insert the contacts into contact carrier (3);
d. Snap-fit earth spring (2) onto the contact carrier (3);
e. Guide the wires through the support ring (1);
f. Guide the contact carrier (3) into the insert sleeve (4);
g. Insert the support ring (1) in the sleeve (4);
h. Fasten the assembled connectors to the mounting panel using screws (M3*0.5).



Installation dimensions

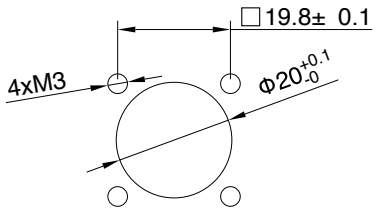
M23 Power Panel Type Connectors/Assembly Instructions

Angled Connector, Male Thread, Crimp Type



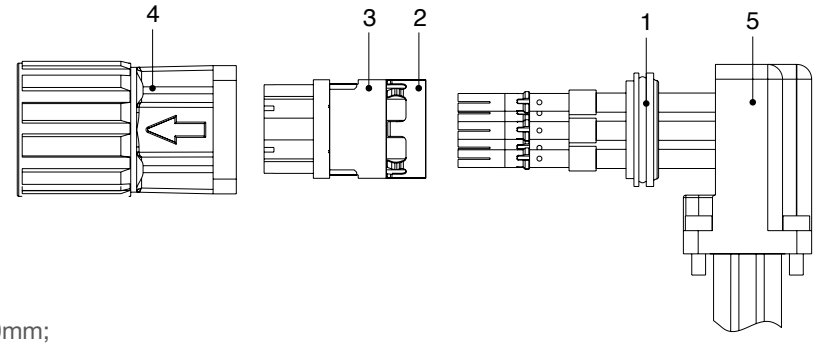
Assembly Instructions:

a. Strip the wires insulation: 9.0mm;
b. Crimp the conductors to the contacts and push them through the assembled angle housing (5) and support ring (1);
c. Insert the contacts into contact carrier (3);
d. Snap-fit earth spring (2) onto the contact carrier (3);
e. Guide the contact carrier (3) into the insert sleeve (4);
f. Insert the support ring (1) in the sleeve (4);
g. Fasten the assembled connectors to the angel housing (5) using screws (M3*0.5).



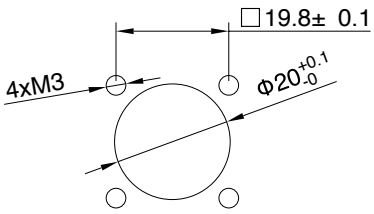
Installation dimensions

Angled Connector, Female Thread, Crimp Type



Assembly Instructions:

a. Strip the wires insulation: 9.0mm;
b. Crimp the conductors to the contacts and push them through the assembled angle housing (5) and support ring (1);
c. Insert the contacts into contact carrier (3);
d. Snap-fit earth spring (2) onto the contact carrier (3);
e. Guide the contact carrier (3) into the insert sleeve (4);
f. Insert the support ring (1) in the sleeve (4);
g. Fasten the assembled connectors to the angel housing (5) using screws (M3*0.5).



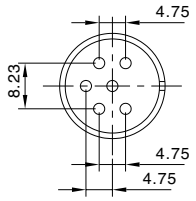
Installation dimensions

SURE-SEAL

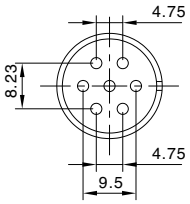
PEI-Genesis™
www.peigenesis.com

M23 PCB Layout & Panel Cut-out

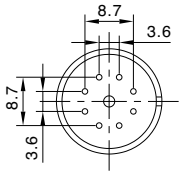
PCB Layout



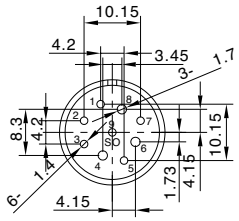
06A



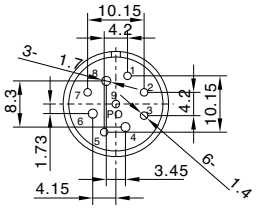
07A



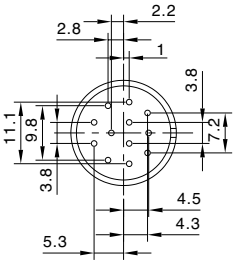
09A



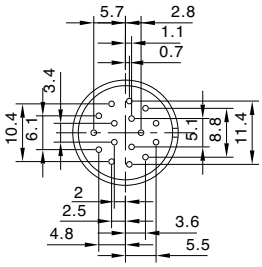
09B female



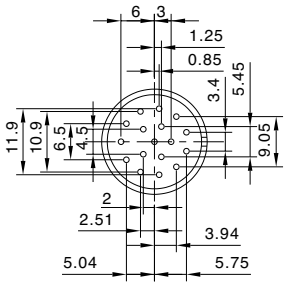
09C



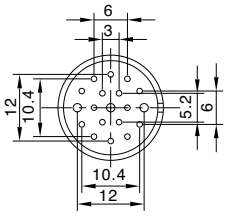
12A



16A

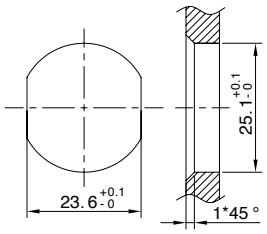


17A

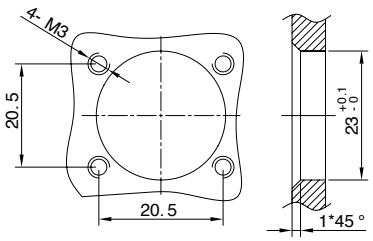


19A

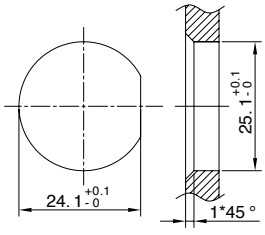
Panel Cut-out Dimensions



H-cutting



Flange-cutting



D-cutting

Part Numbers

= Gland Size, see page details for further information.

All M23 Series P/Ns	Catalog Page
IPM23-S06A-MPWL-1.0	9
IPM23-S07A-MPWL-1.0	9
IPM23-S09A-MPWL-1.0	9
IPM23-S09B-MPWL-1.0	9
IPM23-S09C-MPWL-1.0	9
IPM23-S16A-MPWL-1.0	9
IPM23-S12A-MPWL-1.0	9
IPM23-S12B-MPWL-1.0	9
IPM23-S17A-MPWL-1.0	9
IPM23-S17B-MPWL-1.0	9
IPM23-S19A-MPWL-1.0	9
IPM23-S06A-FPWL-1.0	10
IPM23-S07A-FPWL-1.0	10
IPM23-S09A-FPWL-1.0	10
IPM23-S09B-FPWL-1.0	10
IPM23-S09C-FPWL-1.0	10
IPM23-S16A-FPWL-1.0	10
IPM23-S12A-FPWL-1.0	10
IPM23-S12B-FPWL-1.0	10
IPM23-S17A-FPWL-1.0	10
IPM23-S17B-FPWL-1.0	10
IPM23-S19A-FPWL-1.0	10
IPM23-S06A-MSWL-1.0	11
IPM23-S07A-MSWL-1.0	11
IPM23-S09A-MSWL-1.0	11
IPM23-S09B-MSWL-1.0	11
IPM23-S09C-MSWL-1.0	11
IPM23-S16A-MSWL-1.0	11
IPM23-S12A-MSWL-1.0	11
IPM23-S12B-MSWL-1.0	11

All M23 Series P/Ns	Catalog Page
IPM23-S17A-MSWL-1.0	11
IPM23-S17B-MSWL-1.0	11
IPM23-S19A-MSWL-1.0	11
IPM23-S06A-FSWL-1.0	12
IPM23-S07A-FSWL-1.0	12
IPM23-S09A-FSWL-1.0	12
IPM23-S09B-FSWL-1.0	12
IPM23-S09C-FSWL-1.0	12
IPM23-S16A-FSWL-1.0	12
IPM23-S12A-FSWL-1.0	12
IPM23-S12B-FSWL-1.0	12
IPM23-S17A-FSWL-1.0	12
IPM23-S17B-FSWL-1.0	12
IPM23-S19A-FSWL-1.0	12
IPM23-S06A-MPRA-WL-1.0	13
IPM23-S07A-MPRA-WL-1.0	13
IPM23-S09A-MPRA-WL-1.0	13
IPM23-S09B-MPRA-WL-1.0	13
IPM23-S09C-MPRA-WL-1.0	13
IPM23-S16A-MPRA-WL-1.0	13
IPM23-S12A-MPRA-WL-1.0	13
IPM23-S12B-MPRA-WL-1.0	13
IPM23-S17A-MPRA-WL-1.0	13
IPM23-S17B-MPRA-WL-1.0	13
IPM23-S19A-MPRA-WL-1.0	13
IPM23-S06A-FPRA-WL-1.0	14
IPM23-S07A-FPRA-WL-1.0	14
IPM23-S09A-FPRA-WL-1.0	14
IPM23-S09B-FPRA-WL-1.0	14
IPM23-S09C-FPRA-WL-1.0	14

All M23 Series P/Ns	Catalog Page
IPM23-S16A-FPRA-WL-1.0	14
IPM23-S12A-FPRA-WL-1.0	14
IPM23-S12B-FPRA-WL-1.0	14
IPM23-S17A-FPRA-WL-1.0	14
IPM23-S17B-FPRA-WL-1.0	14
IPM23-S19A-FPRA-WL-1.0	14
IPM23-S06A-MSRA-WL-1.0	15
IPM23-S07A-MSRA-WL-1.0	15
IPM23-S09A-MSRA-WL-1.0	15
IPM23-S09B-MSRA-WL-1.0	15
IPM23-S09C-MSRA-WL-1.0	15
IPM23-S16A-MSRA-WL-1.0	15
IPM23-S12A-MSRA-WL-1.0	15
IPM23-S12B-MSRA-WL-1.0	15
IPM23-S17A-MSRA-WL-1.0	15
IPM23-S17B-MSRA-WL-1.0	15
IPM23-S19A-MSRA-WL-1.0	15
IPM23-S06A-FSRA-WL-1.0	16
IPM23-S07A-FSRA-WL-1.0	16
IPM23-S09A-FSRA-WL-1.0	16
IPM23-S09B-FSRA-WL-1.0	16
IPM23-S09C-FSRA-WL-1.0	16
IPM23-S16A-FSRA-WL-1.0	16
IPM23-S12A-FSRA-WL-1.0	16
IPM23-S12B-FSRA-WL-1.0	16
IPM23-S17A-FSRA-WL-1.0	16
IPM23-S17B-FSRA-WL-1.0	16
IPM23-S19A-FSRA-WL-1.0	16
IPM23-S06A-MP-CCFT-S-#	17
IPM23-S07A-MP-CCFT-S-#	17

All M23 Series P/Ns	Catalog Page
IPM23-S09A-MP-CCFT-S-#	17
IPM23-S09B-MP-CCFT-S-#	17
IPM23-S09C-MP-CCFT-S-#	17
IPM23-S16A-MP-CCFT-S-#	17
IPM23-S12A-MP-CCFT-S-#	17
IPM23-S12B-MP-CCFT-S-#	17
IPM23-S17A-MP-CCFT-S-#	17
IPM23-S17B-MP-CCFT-S-#	17
IPM23-S19A-MP-CCFT-S-#	17
IPM23-S06A-MP-SCFT-S-#	17
IPM23-S07A-MP-SCFT-S-#	17
IPM23-S09A-MP-SCFT-S-#	17
IPM23-S09B-MP-SCFT-S-#	17
IPM23-S09C-MP-SCFT-S-#	17
IPM23-S16A-MP-SCFT-S-#	17
IPM23-S12A-MP-SCFT-S-#	17
IPM23-S12B-MP-SCFT-S-#	17
IPM23-S17A-MP-SCFT-S-#	17
IPM23-S17B-MP-SCFT-S-#	17
IPM23-S19A-MP-SCFT-S-#	17
IPM23-S06A-FP-CCFT-S-#	18
IPM23-S07A-FP-CCFT-S-#	18
IPM23-S09A-FP-CCFT-S-#	18
IPM23-S09B-FP-CCFT-S-#	18
IPM23-S09C-FP-CCFT-S-#	18
IPM23-S16A-FP-CCFT-S-#	18
IPM23-S12A-FP-CCFT-S-#	18
IPM23-S12B-FP-CCFT-S-#	18
IPM23-S17A-FP-CCFT-S-#	18
IPM23-S17B-FP-CCFT-S-#	18
IPM23-S19A-FP-CCFT-S-#	18
IPM23-S06A-FP-SCFT-S-#	18

All M23 Series P/Ns	Catalog Page
IPM23-S07A-FP-SCFT-S-#	18
IPM23-S09A-FP-SCFT-S-#	18
IPM23-S09B-FP-SCFT-S-#	18
IPM23-S09C-FP-SCFT-S-#	18
IPM23-S16A-FP-SCFT-S-#	18
IPM23-S12A-FP-SCFT-S-#	18
IPM23-S12B-FP-SCFT-S-#	18
IPM23-S17A-FP-SCFT-S-#	18
IPM23-S17B-FP-SCFT-S-#	18
IPM23-S19A-FP-SCFT-S-#	18
IPM23-S06A-MS-CCFT-S-#	19
IPM23-S07A-MS-CCFT-S-#	19
IPM23-S09A-MS-CCFT-S-#	19
IPM23-S09B-MS-CCFT-S-#	19
IPM23-S09C-MS-CCFT-S-#	19
IPM23-S16A-MS-CCFT-S-#	19
IPM23-S12A-MS-CCFT-S-#	19
IPM23-S12B-MS-CCFT-S-#	19
IPM23-S17A-MS-CCFT-S-#	19
IPM23-S17B-MS-CCFT-S-#	19
IPM23-S19A-MS-CCFT-S-#	19
IPM23-S06A-MS-SCFT-S-#	19
IPM23-S07A-MS-SCFT-S-#	19
IPM23-S09A-MS-SCFT-S-#	19
IPM23-S09B-MS-SCFT-S-#	19
IPM23-S09C-MS-SCFT-S-#	19
IPM23-S16A-MS-SCFT-S-#	19
IPM23-S12A-MS-SCFT-S-#	19
IPM23-S12B-MS-SCFT-S-#	19
IPM23-S17A-MS-SCFT-S-#	19
IPM23-S17B-MS-SCFT-S-#	19
IPM23-S19A-MS-SCFT-S-#	19

All M23 Series P/Ns	Catalog Page
IPM23-S06A-FS-CCFT-S-#	20
IPM23-S07A-FS-CCFT-S-#	20
IPM23-S09A-FS-CCFT-S-#	20
IPM23-S09B-FS-CCFT-S-#	20
IPM23-S09C-FS-CCFT-S-#	20
IPM23-S16A-FS-CCFT-S-#	20
IPM23-S12A-FS-CCFT-S-#	20
IPM23-S12B-FS-CCFT-S-#	20
IPM23-S17A-FS-CCFT-S-#	20
IPM23-S17B-FS-CCFT-S-#	20
IPM23-S19A-FS-CCFT-S-#	20
IPM23-S06A-FS-SCFT-S-#	20
IPM23-S07A-FS-SCFT-S-#	20
IPM23-S09A-FS-SCFT-S-#	20
IPM23-S09B-FS-SCFT-S-#	20
IPM23-S09C-FS-SCFT-S-#	20
IPM23-S16A-FS-SCFT-S-#	20
IPM23-S12A-FS-SCFT-S-#	20
IPM23-S12B-FS-SCFT-S-#	20
IPM23-S17A-FS-SCFT-S-#	20
IPM23-S17B-FS-SCFT-S-#	20
IPM23-S19A-FS-SCFT-S-#	20
IPM23-S06A-MPRA-CCFT-S-#	21
IPM23-S07A-MPRA-CCFT-S-#	21
IPM23-S09A-MPRA-CCFT-S-#	21
IPM23-S09B-MPRA-CCFT-S-#	21
IPM23-S09C-MPRA-CCFT-S-#	21
IPM23-S16A-MPRA-CCFT-S-#	21
IPM23-S12A-MPRA-CCFT-S-#	21
IPM23-S12B-MPRA-CCFT-S-#	21
IPM23-S17A-MPRA-CCFT-S-#	21
IPM23-S17B-MPRA-CCFT-S-#	21

All M23 Series P/Ns	Catalog Page
IPM23-S19A-MPRA-CCFT-S-#	21
IPM23-S06A-MPRA-SCFT-S-#	21
IPM23-S07A-MPRA-SCFT-S-#	21
IPM23-S09A-MPRA-SCFT-S-#	21
IPM23-S09B-MPRA-SCFT-S-#	21
IPM23-S09C-MPRA-SCFT-S-#	21
IPM23-S16A-MPRA-SCFT-S-#	21
IPM23-S12A-MPRA-SCFT-S-#	21
IPM23-S12B-MPRA-SCFT-S-#	21
IPM23-S17A-MPRA-SCFT-S-#	21
IPM23-S17B-MPRA-SCFT-S-#	21
IPM23-S19A-MPRA-SCFT-S-#	21
IPM23-S06A-FPRA-CCFT-S-#	23
IPM23-S07A-FPRA-CCFT-S-#	23
IPM23-S09A-FPRA-CCFT-S-#	23
IPM23-S09B-FPRA-CCFT-S-#	23
IPM23-S09C-FPRA-CCFT-S-#	23
IPM23-S16A-FPRA-CCFT-S-#	23
IPM23-S12A-FPRA-CCFT-S-#	23
IPM23-S12B-FPRA-CCFT-S-#	23
IPM23-S17A-FPRA-CCFT-S-#	23
IPM23-S17B-FPRA-CCFT-S-#	23
IPM23-S19A-FPRA-CCFT-S-#	23
IPM23-S06A-FPRA-SCFT-S-#	23
IPM23-S07A-FPRA-SCFT-S-#	23
IPM23-S09A-FPRA-SCFT-S-#	23
IPM23-S09B-FPRA-SCFT-S-#	23
IPM23-S09C-FPRA-SCFT-S-#	23
IPM23-S16A-FPRA-SCFT-S-#	23
IPM23-S12A-FPRA-SCFT-S-#	23
IPM23-S12B-FPRA-SCFT-S-#	23
IPM23-S17A-FPRA-SCFT-S-#	23

All M23 Series P/Ns	Catalog Page
IPM23-S17B-FPRA-SCFT-S-#	23
IPM23-S19A-FPRA-SCFT-S-#	23
IPM23-S06A-MSRA-CCFT-S-#	22
IPM23-S07A-MSRA-CCFT-S-#	22
IPM23-S09A-MSRA-CCFT-S-#	22
IPM23-S09B-MSRA-CCFT-S-#	22
IPM23-S09C-MSRA-CCFT-S-#	22
IPM23-S16A-MSRA-CCFT-S-#	22
IPM23-S12A-MSRA-CCFT-S-#	22
IPM23-S12B-MSRA-CCFT-S-#	22
IPM23-S17A-MSRA-CCFT-S-#	22
IPM23-S17B-MSRA-CCFT-S-#	22
IPM23-S19A-MSRA-CCFT-S-#	22
IPM23-S06A-MSRA-SCFT-S-#	22
IPM23-S07A-MSRA-SCFT-S-#	22
IPM23-S09A-MSRA-SCFT-S-#	22
IPM23-S09B-MSRA-SCFT-S-#	22
IPM23-S09C-MSRA-SCFT-S-#	22
IPM23-S16A-MSRA-SCFT-S-#	22
IPM23-S12A-MSRA-SCFT-S-#	22
IPM23-S12B-MSRA-SCFT-S-#	22
IPM23-S17A-MSRA-SCFT-S-#	22
IPM23-S17B-MSRA-SCFT-S-#	22
IPM23-S19A-MSRA-SCFT-S-#	22
IPM23-S06A-FSRA-CCFT-S-#	24
IPM23-S07A-FSRA-CCFT-S-#	24
IPM23-S09A-FSRA-CCFT-S-#	24
IPM23-S09B-FSRA-CCFT-S-#	24
IPM23-S09C-FSRA-CCFT-S-#	24
IPM23-S16A-FSRA-CCFT-S-#	24
IPM23-S12A-FSRA-CCFT-S-#	24
IPM23-S12B-FSRA-CCFT-S-#	24

All M23 Series P/Ns	Catalog Page
IPM23-S17A-FSRA-CCFT-S-#	24
IPM23-S17B-FSRA-CCFT-S-#	24
IPM23-S19A-FSRA-CCFT-S-#	24
IPM23-S06A-FSRA-SCFT-S-#	24
IPM23-S07A-FSRA-SCFT-S-#	24
IPM23-S09A-FSRA-SCFT-S-#	24
IPM23-S09B-FSRA-SCFT-S-#	24
IPM23-S09C-FSRA-SCFT-S-#	24
IPM23-S16A-FSRA-SCFT-S-#	24
IPM23-S12A-FSRA-SCFT-S-#	24
IPM23-S12B-FSRA-SCFT-S-#	24
IPM23-S17A-FSRA-SCFT-S-#	24
IPM23-S17B-FSRA-SCFT-S-#	24
IPM23-S19A-FSRA-SCFT-S-#	24
IPM23-S06A-MP-CCSQ-S-#	25
IPM23-S07A-MP-CCSQ-S-#	25
IPM23-S09A-MP-CCSQ-S-#	25
IPM23-S09B-MP-CCSQ-S-#	25
IPM23-S09C-MP-CCSQ-S-#	25
IPM23-S16A-MP-CCSQ-S-#	25
IPM23-S12A-MP-CCSQ-S-#	25
IPM23-S12B-MP-CCSQ-S-#	25
IPM23-S17A-MP-CCSQ-S-#	25
IPM23-S17B-MP-CCSQ-S-#	25
IPM23-S19A-MP-CCSQ-S-#	25
IPM23-S06A-MP-SCSQ-S-#	25
IPM23-S07A-MP-SCSQ-S-#	25
IPM23-S09A-MP-SCSQ-S-#	25
IPM23-S09B-MP-SCSQ-S-#	25
IPM23-S09C-MP-SCSQ-S-#	25
IPM23-S16A-MP-SCSQ-S-#	25
IPM23-S12A-MP-SCSQ-S-#	25

All M23 Series P/Ns	Catalog Page
IPM23-S12B-MP-SCSQ-S-#	25
IPM23-S17A-MP-SCSQ-S-#	25
IPM23-S17B-MP-SCSQ-S-#	25
IPM23-S19A-MP-SCSQ-S-#	25
IPM23-S06A-MS-CCSQ-S-#	26
IPM23-S07A-MS-CCSQ-S-#	26
IPM23-S09A-MS-CCSQ-S-#	26
IPM23-S09B-MS-CCSQ-S-#	26
IPM23-S09C-MS-CCSQ-S-#	26
IPM23-S16A-MS-CCSQ-S-#	26
IPM23-S12A-MS-CCSQ-S-#	26
IPM23-S12B-MS-CCSQ-S-#	26
IPM23-S17A-MS-CCSQ-S-#	26
IPM23-S17B-MS-CCSQ-S-#	26
IPM23-S19A-MS-CCSQ-S-#	26
IPM23-S06A-MS-SCSQ-S-#	26
IPM23-S07A-MS-SCSQ-S-#	26
IPM23-S09A-MS-SCSQ-S-#	26
IPM23-S09B-MS-SCSQ-S-#	26
IPM23-S09C-MS-SCSQ-S-#	26
IPM23-S16A-MS-SCSQ-S-#	26
IPM23-S12A-MS-SCSQ-S-#	26
IPM23-S12B-MS-SCSQ-S-#	26
IPM23-S17A-MS-SCSQ-S-#	26
IPM23-S17B-MS-SCSQ-S-#	26
IPM23-S19A-MS-SCSQ-S-#	26
IPM23-S06A-MP-CCJN-S-#	27
IPM23-S07A-MP-CCJN-S-#	27
IPM23-S09A-MP-CCJN-S-#	27
IPM23-S09B-MP-CCJN-S-#	27
IPM23-S09C-MP-CCJN-S-#	27
IPM23-S16A-MP-CCJN-S-#	27

All M23 Series P/Ns	Catalog Page
IPM23-S12A-MP-CCJN-S-#	27
IPM23-S12B-MP-CCJN-S-#	27
IPM23-S17A-MP-CCJN-S-#	27
IPM23-S17B-MP-CCJN-S-#	27
IPM23-S19A-MP-CCJN-S-#	27
IPM23-S06A-MP-SCJN-S-#	27
IPM23-S07A-MP-SCJN-S-#	27
IPM23-S09A-MP-SCJN-S-#	27
IPM23-S09B-MP-SCJN-S-#	27
IPM23-S09C-MP-SCJN-S-#	27
IPM23-S16A-MP-SCJN-S-#	27
IPM23-S12A-MP-SCJN-S-#	27
IPM23-S12B-MP-SCJN-S-#	27
IPM23-S17A-MP-SCJN-S-#	27
IPM23-S17B-MP-SCJN-S-#	27
IPM23-S19A-MP-SCJN-S-#	27
IPM23-S06A-MS-CCJN-S-#	28
IPM23-S07A-MS-CCJN-S-#	28
IPM23-S09A-MS-CCJN-S-#	28
IPM23-S09B-MS-CCJN-S-#	28
IPM23-S09C-MS-CCJN-S-#	28
IPM23-S16A-MS-CCJN-S-#	28
IPM23-S12A-MS-CCJN-S-#	28
IPM23-S12B-MS-CCJN-S-#	28
IPM23-S17A-MS-CCJN-S-#	28
IPM23-S17B-MS-CCJN-S-#	28
IPM23-S19A-MS-CCJN-S-#	28
IPM23-S06A-MS-SCJN-S-#	28
IPM23-S07A-MS-SCJN-S-#	28
IPM23-S09A-MS-SCJN-S-#	28
IPM23-S09B-MS-SCJN-S-#	28
IPM23-S09C-MS-SCJN-S-#	28

All M23 Series P/Ns	Catalog Page
IPM23-S16A-MS-SCJN-S-#	28
IPM23-S12A-MS-SCJN-S-#	28
IPM23-S12B-MS-SCJN-S-#	28
IPM23-S17A-MS-SCJN-S-#	28
IPM23-S17B-MS-SCJN-S-#	28
IPM23-S19A-MS-SCJN-S-#	28
IPM23-S06A-MP-SC	29
IPM23-S07A-MP-SC	29
IPM23-S09A-MP-SC	29
IPM23-S09B-MP-SC	29
IPM23-S09C-MP-SC	29
IPM23-S16A-MP-SC	29
IPM23-S12A-MP-SC	29
IPM23-S12B-MP-SC	29
IPM23-S17A-MP-SC	29
IPM23-S17B-MP-SC	29
IPM23-S19A-MP-SC	29
IPM23-S06A-MS-SC	30
IPM23-S07A-MS-SC	30
IPM23-S09A-MS-SC	30
IPM23-S09B-MS-SC	30
IPM23-S09C-MS-SC	30
IPM23-S16A-MS-SC	30
IPM23-S12A-MS-SC	30
IPM23-S12B-MS-SC	30
IPM23-S17A-MS-SC	30
IPM23-S17B-MS-SC	30
IPM23-S19A-MS-SC	30
IPM23-S06A-MP-RM-SC	31
IPM23-S07A-MP-RM-SC	31
IPM23-S09A-MP-RM-SC	31
IPM23-S09B-MP-RM-SC	31

All M23 Series P/Ns	Catalog Page
IPM23-S09C-MP-RM-SC	31
IPM23-S16A-MP-RM-SC	31
IPM23-S12A-MP-RM-SC	31
IPM23-S12B-MP-RM-SC	31
IPM23-S17A-MP-RM-SC	31
IPM23-S17B-MP-RM-SC	31
IPM23-S19A-MP-RM-SC	31
IPM23-S06A-MS-RM-SC	32
IPM23-S07A-MS-RM-SC	32
IPM23-S09A-MS-RM-SC	32
IPM23-S09B-MS-RM-SC	32
IPM23-S09C-MS-RM-SC	32
IPM23-S16A-MS-RM-SC	32
IPM23-S12A-MS-RM-SC	32
IPM23-S12B-MS-RM-SC	32
IPM23-S17A-MS-RM-SC	32
IPM23-S17B-MS-RM-SC	32
IPM23-S19A-MS-RM-SC	32
IPM23-S06A-MP-RM-CC	32
IPM23-S07A-MP-RM-CC	32
IPM23-S09A-MP-RM-CC	32
IPM23-S09B-MP-RM-CC	32
IPM23-S09C-MP-RM-CC	32
IPM23-S16A-MP-RM-CC	32
IPM23-S12A-MP-RM-CC	32
IPM23-S12B-MP-RM-CC	32
IPM23-S17A-MP-RM-CC	32
IPM23-S17B-MP-RM-CC	32
IPM23-S19A-MP-RM-CC	32
IPM23-S06A-MS-RM-CC	32
IPM23-S07A-MS-RM-CC	32
IPM23-S09A-MS-RM-CC	32

All M23 Series P/Ns	Catalog Page
IPM23-S09B-MS-RM-CC	32
IPM23-S09C-MS-RM-CC	32
IPM23-S16A-MS-RM-CC	32
IPM23-S12A-MS-RM-CC	32
IPM23-S12B-MS-RM-CC	32
IPM23-S17A-MS-RM-CC	32
IPM23-S17B-MS-RM-CC	32
IPM23-S19A-MS-RM-CC	32
IPM23-S06A-MP-SCSQ	33
IPM23-S07A-MP-SCSQ	33
IPM23-S09A-MP-SCSQ	33
IPM23-S09B-MP-SCSQ	33
IPM23-S09C-MP-SCSQ	33
IPM23-S16A-MP-SCSQ	33
IPM23-S12A-MP-SCSQ	33
IPM23-S12B-MP-SCSQ	33
IPM23-S17A-MP-SCSQ	33
IPM23-S17B-MP-SCSQ	33
IPM23-S19A-MP-SCSQ	33
IPM23-S06A-MS-SCSQ	34
IPM23-S07A-MS-SCSQ	34
IPM23-S09A-MS-SCSQ	34
IPM23-S09B-MS-SCSQ	34
IPM23-S09C-MS-SCSQ	34
IPM23-S16A-MS-SCSQ	34
IPM23-S12A-MS-SCSQ	34
IPM23-S12B-MS-SCSQ	34
IPM23-S17A-MS-SCSQ	34
IPM23-S17B-MS-SCSQ	34
IPM23-S19A-MS-SCSQ	34
IPM23-S06A-MP-RM-SCSQ	35
IPM23-S07A-MP-RM-SCSQ	35

All M23 Series P/Ns	Catalog Page
IPM23-S09A-MP-RM-SCSQ	35
IPM23-S09B-MP-RM-SCSQ	35
IPM23-S09C-MP-RM-SCSQ	35
IPM23-S16A-MP-RM-SCSQ	35
IPM23-S12A-MP-RM-SCSQ	35
IPM23-S12B-MP-RM-SCSQ	35
IPM23-S17A-MP-RM-SCSQ	35
IPM23-S17B-MP-RM-SCSQ	35
IPM23-S19A-MP-RM-SCSQ	35
IPM23-S06A-MS-RM-SCSQ	36
IPM23-S07A-MS-RM-SCSQ	36
IPM23-S09A-MS-RM-SCSQ	36
IPM23-S09B-MS-RM-SCSQ	36
IPM23-S09C-MS-RM-SCSQ	36
IPM23-S16A-MS-RM-SCSQ	36
IPM23-S12A-MS-RM-SCSQ	36
IPM23-S12B-MS-RM-SCSQ	36
IPM23-S17A-MS-RM-SCSQ	36
IPM23-S17B-MS-RM-SCSQ	36
IPM23-S19A-MS-RM-SCSQ	36
IPM23-S06A-MP-RM-PC	37
IPM23-S07A-MP-RM-PC	37
IPM23-S09A-MP-RM-PC	37
IPM23-S09B-MP-RM-PC	37
IPM23-S09C-MP-RM-PC	37
IPM23-S16A-MP-RM-PC	37
IPM23-S12A-MP-RM-PC	37
IPM23-S12B-MP-RM-PC	37
IPM23-S17A-MP-RM-PC	37
IPM23-S17B-MP-RM-PC	37
IPM23-S19A-MP-RM-PC	37
IPM23-S06A-MS-RM-PC	38

All M23 Series P/Ns	Catalog Page
IPM23-S07A-MS-RM-PC	38
IPM23-S09A-MS-RM-PC	38
IPM23-S09B-MS-RM-PC	38
IPM23-S09C-MS-RM-PC	38
IPM23-S16A-MS-RM-PC	38
IPM23-S12A-MS-RM-PC	38
IPM23-S12B-MS-RM-PC	38
IPM23-S17A-MS-RM-PC	38
IPM23-S17B-MS-RM-PC	38
IPM23-S19A-MS-RM-PC	38
IPM23-S06A-MP-PCSQ	39
IPM23-S07A-MP-PCSQ	39
IPM23-S09A-MP-PCSQ	39
IPM23-S09B-MP-PCSQ	39
IPM23-S09C-MP-PCSQ	39
IPM23-S16A-MP-PCSQ	39
IPM23-S12A-MP-PCSQ	39
IPM23-S12B-MP-PCSQ	39
IPM23-S17A-MP-PCSQ	39
IPM23-S17B-MP-PCSQ	39
IPM23-S19A-MP-PCSQ	39
IPM23-S06A-MS-PCSQ	40
IPM23-S07A-MS-PCSQ	40
IPM23-S09A-MS-PCSQ	40
IPM23-S09B-MS-PCSQ	40
IPM23-S09C-MS-PCSQ	40
IPM23-S16A-MS-PCSQ	40
IPM23-S12A-MS-PCSQ	40
IPM23-S12B-MS-PCSQ	40
IPM23-S17A-MS-PCSQ	40
IPM23-S17B-MS-PCSQ	40
IPM23-S19A-MS-PCSQ	40

All M23 Series P/Ns	Catalog Page
IPM23-P06-MPWL-1.0	41
IPM23-P08-MPWL-1.0	41
IPM23-P06-FSWL-1.0	42
IPM23-P08-FSWL-1.0	42
IPM23-P06-MPRA-WL-1.0	43
IPM23-P08-MPRA-WL-1.0	43
IPM23-P06-FSRA-WL-1.0	44
IPM23-P08-FSRA-WL-1.0	44
IPM23-P06-MP-CCFT-S	45
IPM23-P08-MP-CCFT-S	45
IPM23-P06-FS-CCFT-S	46
IPM23-P08-FS-CCFT-S	46
IPM23-P06-MP-CCSQ	47
IPM23-P08-MP-CCSQ	47
IPM23-P06-FS-CCSQ	48
IPM23-P08-FS-CCSQ	48
IPM23-P06-MPRA-CCSQ	49
IPM23-P08-MPRA-CCSQ	49
IPM23-P06-FSRA-CCSQ	50
IPM23-P08-FSRA-CCSQ	50
IPM23-CAP-M-PNL	51
IPM23-CAP-F-PNL	51
IPM23-TL-M	52
IPM23-TL-F	52



Corporate Headquarters, Philadelphia, PA



European Headquarters & Production Facility, Southampton, UK



Production Facility, Zhuhai, China



North American Production Facility, South Bend, IN



FilConn, Chandler, AZ

PEI-Genesis™

PEI-Genesis has sales offices throughout the Americas, Europe and Asia.
Visit www.peigenesis.com, call +1 800.675.1214 (North America), +44 (0) 23 8062 1260 (Europe),
+86 756 7683 088 (Asia), +1 631.475.5050 (Rest of World), or email: sales@peigenesis.com.

www.peigenesis.com | www.peigenesis.cn

