

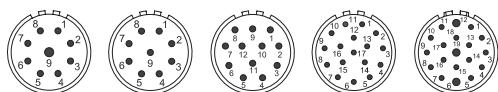
M23 series

- Signal series:8+PE,9,12,17,19 poles available
- Power series:6,8 poles available
- Signal/Power
- Solder/Moulded
- Circular connector with M23x1 screw locking
- Pinout type:Clockwise/Counter-clockwise
- Degree of protection IP67
- Ambient temperature -40°C~125°C

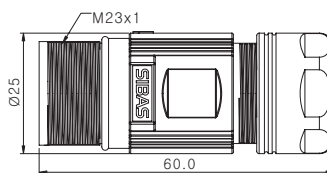


M23 Signal Male, Moulded, Straight, Shielded, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Screw type	Contacts	Type	Order No.
M23Plug Shielded Moulded Straight Metal housing	PG9	8+PE	RPC-M23-MSA-9CON1-PG9-SH	4318120961
	PG11	8+PE	RPC-M23-MSA-9CON1-PG11-SH	4318130961
	PG9	9-pole	RPC-M23-MSA-9CON-PG9-SH	4318120962
	PG11	9-pole	RPC-M23-MSA-9CON-PG11-SH	4318130962
	PG9	12-pole	RPC-M23-MSA-12CON-PG9-SH	4318121262
	PG11	12-pole	RPC-M23-MSA-12CON-PG11-SH	4318131262
	PG9	17-pole	RPC-M23-MSA-17CON-PG9-SH	4318121762
	PG11	17-pole	RPC-M23-MSA-17CON-PG11-SH	4318131762
	PG9	19-pole	RPC-M23-MSA-19CON-PG9-SH	4318121962
	PG11	19-pole	RPC-M23-MSA-19CON-PG11-SH	4318131962

Technical data

	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A	20A	8A	8A	8A	8A 10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V		200V	200V	160V	100V
Over voltage category	II		II	II	II	II
Contact resistance	≤3mΩ		≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω		≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2		2	2	2	2
Degree of protection	IP67		IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

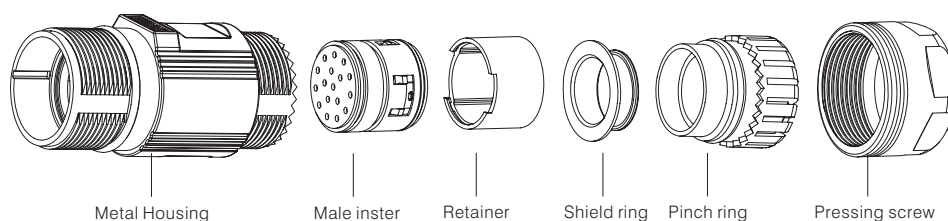
Mechanical data

Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

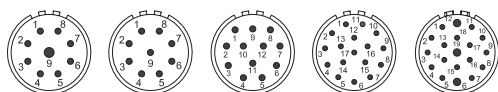
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter PG9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter PG11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

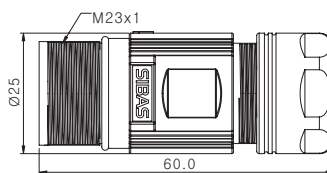


M23 Signal Male, Moulded, Straight, Shielded, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

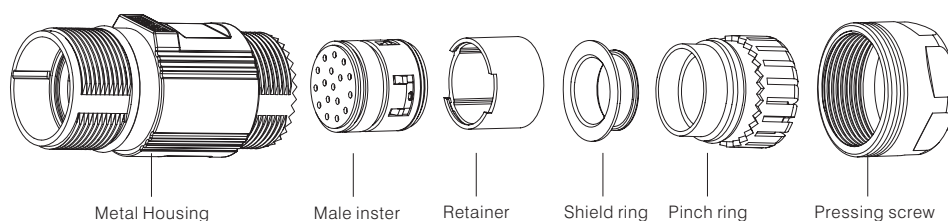
Description	Screw type	Contacts	Type	Order No.
M23Plug Shielded Moulded Straight Metal housing	PG9	8+PE	RPC-M23-MSI-9CON1-PG9-SH	4319120961
	PG11	8+PE	RPC-M23-MSI-9CON1-PG11-SH	4319130961
	PG9	9-pole	RPC-M23-MSI-9CON-PG9-SH	4319120962
	PG11	9-pole	RPC-M23-MSI-9CON-PG11-SH	4319130962
	PG9	12-pole	RPC-M23-MSI-12CON-PG9-SH	4319121262
	PG11	12-pole	RPC-M23-MSI-12CON-PG11-SH	4319131262
	PG9	17-pole	RPC-M23-MSI-17CON-PG9-SH	4319121762
	PG11	17-pole	RPC-M23-MSI-17CON-PG11-SH	4319131762
	PG9	19-pole	RPC-M23-MSI-19CON-PG9-SH	4319121962
PG11	19-pole	RPC-M23-MSI-19CON-PG11-SH	4319131962	

Technical data	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A	20A	8A	8A	8A	8A 10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V		200V	200V	160V	100V
Over voltage category	II		II	II	II	II
Contact resistance	≤3mΩ		≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω		≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2		2	2	2	2
Degree of protection	IP67		IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



Metal Housing

Male insister

Retainer

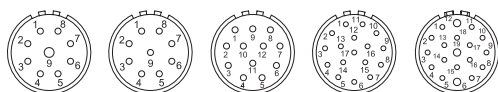
Shield ring

Pinch ring

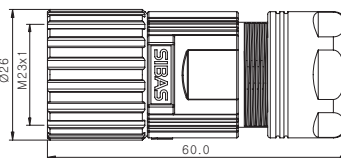
Pressing screw

M23 Signal Female Moulded, Straight, Shielded, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Screw type	Contacts	Type	Order No.
M23Plug Shielded Moulded Straight Metal housing	PG9	8+PE	RPC-M23-FSA-9CON-PG9-SH	4308120971
	PG11	8+PE	RPC-M23-FSA-9CON-PG11-SH	4308130971
	PG9	9-pole	RPC-M23-FSA-9CON-PG9-SH	4308120972
	PG11	9-pole	RPC-M23-FSA-9CON-PG11-SH	4308130972
	PG9	12-pole	RPC-M23-FSA-12CON-PG9-SH	4308121272
	PG11	12-pole	RPC-M23-FSA-12CON-PG11-SH	4308131272
	PG9	17-pole	RPC-M23-FSA-17CON-PG9-SH	4308121772
	PG11	17-pole	RPC-M23-FSA-17CON-PG11-SH	4308131772
	PG9	19-pole	RPC-M23-FSA-19CON-PG9-SH	4308121972
PG11	19-pole	RPC-M23-FSA-19CON-PG11-SH	4308131972	

Technical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

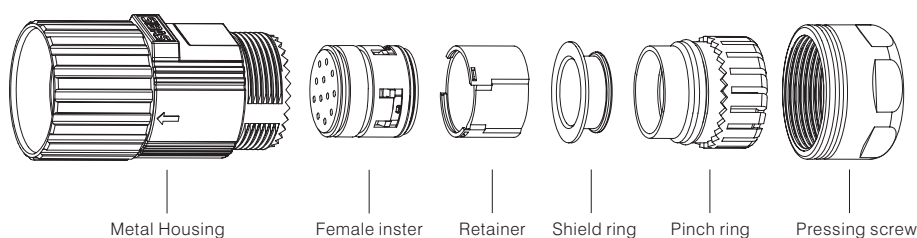
Mechanical data

Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

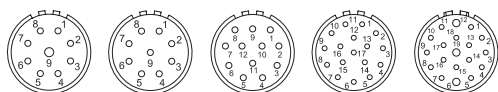
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

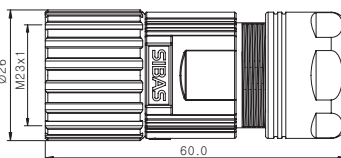


M23 Signal Female Moulded, Straight, Shielded, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

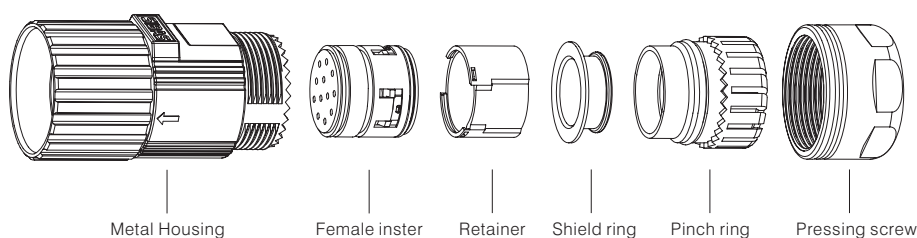
Description	Screw type	Contacts	Type	Order No.
M23Plug Shielded Moulded Straight Metal housing	PG9	8+PE	RPC-M23-FSI-9CON1-PG9-SH	4309120971
	PG11	8+PE	RPC-M23-FSI-9CON1-PG11-SH	4309130971
	PG9	9-pole	RPC-M23-FSI-9CON-PG9-SH	4309120972
	PG11	9-pole	RPC-M23-FSI-9CON-PG11-SH	4309130972
	PG9	12-pole	RPC-M23-FSI-12CON-PG9-SH	4309121272
	PG11	12-pole	RPC-M23-FSI-12CON-PG11-SH	4309131272
	PG9	17-pole	RPC-M23-FSI-17CON-PG9-SH	4309121772
	PG11	17-pole	RPC-M23-FSI-17CON-PG11-SH	4309131772
	PG9	19-pole	RPC-M23-FSI-19CON-PG9-SH	4309121972
	PG11	19-pole	RPC-M23-FSI-19CON-PG11-SH	4309131972

Technical data	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A	20A	8A	8A	8A	8A 10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V		200V	200V	160V	100V
Over voltage category	II		II	II	II	II
Contact resistance	≤3mΩ		≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω		≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2		2	2	2	2
Degree of protection	IP67		IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Clockwise-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



Metal Housing

Female inster

Retainer

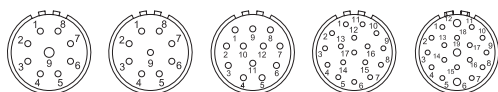
Shield ring

Pinch ring

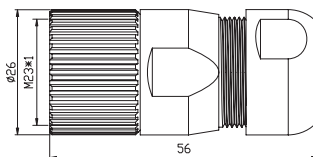
Pressing screw

M23 Signal Female Solder, Straight, Shielded, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Screw type	Contacts	Type	Order No.
M23 Socket Shielded Solder Straight Metal housing	PG9	8+PE	RPC-M23-FSA-9CON1-PG9-SH2	4308120991
	PG11	8+PE	RPC-M23-FSA-9CON1-PG11-SH2	4308130991
	PG9	9-pole	RPC-M23-FSA-9CON-PG9-SH2	4308120992
	PG11	9-pole	RPC-M23-FSA-9CON-PG11-SH2	4308130992
	PG9	12-pole	RPC-M23-FSA-12CON-PG9-SH2	4308121292
	PG11	12-pole	RPC-M23-FSA-12CON-PG11-SH2	4308131292
	PG9	17-pole	RPC-M23-FSA-17CON-PG9-SH2	4308121792
	PG11	17-pole	RPC-M23-FSA-17CON-PG11-SH2	4308131792
	PG9	19-pole	RPC-M23-FSA-19CON-PG9-SH2	4308121992
PG11	19-pole	RPC-M23-FSA-19CON-PG11-SH2	4308131992	

Technical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	$\leq 3m\Omega$	$\leq 3m\Omega$	$\leq 3m\Omega$	$\leq 3m\Omega$	$\leq 3m\Omega$
Insulation resistance	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

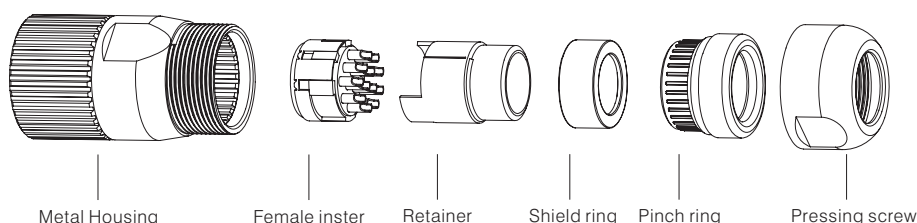
Mechanical data

Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

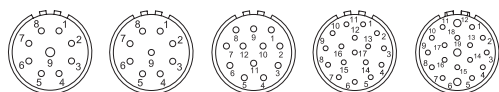
Type of connection	Solder	Solder	Solder	Solder	Solder
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

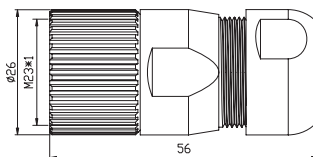


M23 Signal Female Solder, Straight, Shielded, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

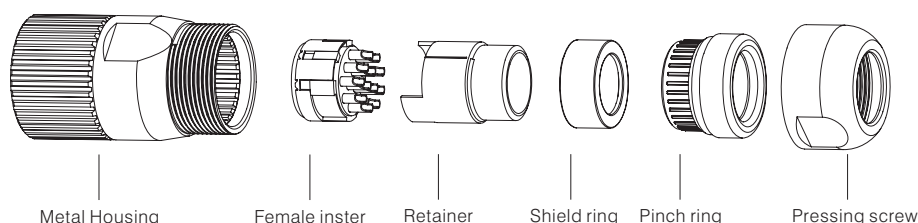
Description	Screw type	Contacts	Type	Order No.
M23Socket Shielded Solder Straight Metal housing	PG9	8+PE	RPC-M23-FSI-9CON1-PG9-SH2	4309120991
	PG11	8+PE	RPC-M23-FSI-9CON1-PG11-SH2	4309130991
	PG9	9-pole	RPC-M23-FSI-9CON-PG9-SH2	4309120992
	PG11	9-pole	RPC-M23-FSI-9CON-PG11-SH2	4309130992
	PG9	12-pole	RPC-M23-FSI-12CON-PG9-SH2	4309121292
	PG11	12-pole	RPC-M23-FSI-12CON-PG11-SH2	4309131292
	PG9	17-pole	RPC-M23-FSI-17CON-PG9-SH2	4309121792
	PG11	17-pole	RPC-M23-FSI-17CON-PG11-SH2	4309131792
	PG9	19-pole	RPC-M23-FSI-19CON-PG9-SH2	4309121992
PG11	19-pole	RPC-M23-FSI-19CON-PG11-SH2	4309131992	

Technical data	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole	
Nominal current	8A	20A	8A	8A	8A	8A	10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm	1.5mm
Rated voltage	200V		200V	200V	160V	100V	
Over voltage category	II		II	II	II	II	
Contact resistance	$\leq 3m\Omega$		$\leq 3m\Omega$	$\leq 3m\Omega$	$\leq 3m\Omega$	$\leq 3m\Omega$	
Insulation resistance	$\geq 10^{10}\Omega$		$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	$\geq 10^{10}\Omega$	
Pollution degree	2		2	2	2	2	
Degree of protection	IP67		IP67	IP67	IP67	IP67	
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

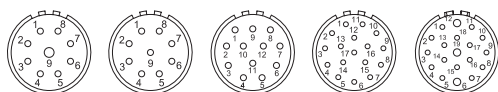
Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Solder	Solder	Solder	Solder	Solder
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

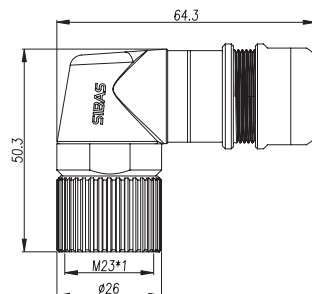


M23 Signal Female Moulded, Angled, Shielded, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Screw type	Contacts	Type	Order No.
M23 Socket Shielded Moulded Angled Metal housing	PG9	8+PE	RPC-M23-FRA-9CON1-PG9-SH	4328120971
	PG11	8+PE	RPC-M23-FRA-9CON1-PG11-SH	4328130971
	PG9	9-pole	RPC-M23-FRA-9CON-PG9-SH	4328120972
	PG11	9-pole	RPC-M23-FRA-9CON-PG11-SH	4328130972
	PG9	12-pole	RPC-M23-FRA-12CON-PG9-SH	4328121272
	PG11	12-pole	RPC-M23-FRA-12CON-PG11-SH	4328131272
	PG9	17-pole	RPC-M23-FRA-17CON-PG9-SH	4328121772
	PG11	17-pole	RPC-M23-FRA-17CON-PG11-SH	4328131772
	PG9	19-pole	RPC-M23-FRA-19CON-PG9-SH	4328121972
PG11	19-pole	RPC-M23-FRA-19CON-PG11-SH	4328131972	

Technical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

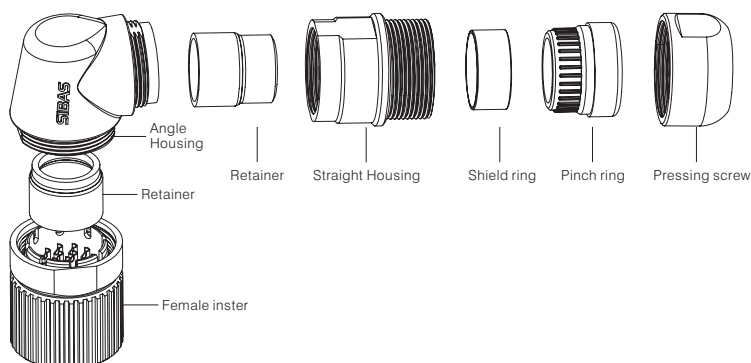
Mechanical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

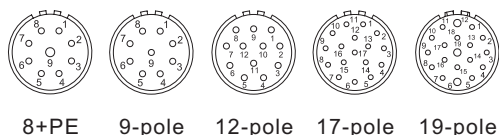
	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

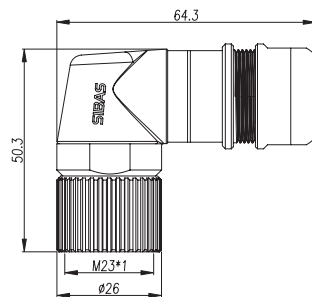


M23 Signal Female Moulded, Angled, Shielded, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

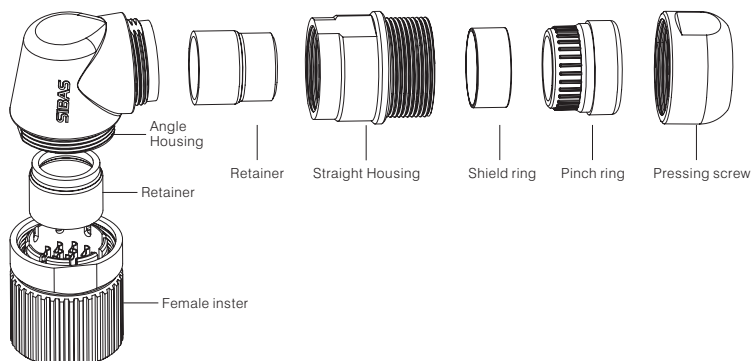
Description	Screw type	Contacts	Type	Order No.
M23 Socket Shielded Moulded Angled Metal housing	PG9	8+PE	RPC-M23-FRI-9CON1-PG9-SH	4329120971
	PG11	8+PE	RPC-M23-FRI-9CON1-PG11-SH	4329130971
	PG9	9-pole	RPC-M23-FRI-9CON-PG9-SH	4329120972
	PG11	9-pole	RPC-M23-FRI-9CON-PG11-SH	4329130972
	PG9	12-pole	RPC-M23-FRI-12CON-PG9-SH	4329121272
	PG11	12-pole	RPC-M23-FRI-12CON-PG11-SH	4329131272
	PG9	17-pole	RPC-M23-FRI-17CON-PG9-SH	4329121772
	PG11	17-pole	RPC-M23-FRI-17CON-PG11-SH	4329131772
	PG9	19-pole	RPC-M23-FRI-19CON-PG9-SH	4329121972
	PG11	19-pole	RPC-M23-FRI-19CON-PG11-SH	4329131972

Technical data	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole	
Nominal current	8A	20A	8A	8A	8A	8A	10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm	1.5mm
Rated voltage	200V		200V	200V	160V	100V	
Over voltage category	II		II	II	II	II	
Contact resistance	≤3mΩ		≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	
Insulation resistance	≥10 ¹⁰ Ω		≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	
Pollution degree	2		2	2	2	2	
Degree of protection	IP67		IP67	IP67	IP67	IP67	
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

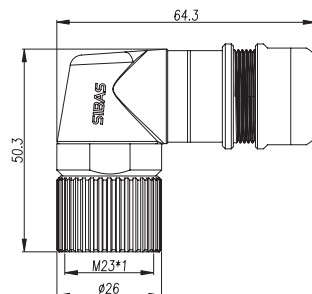
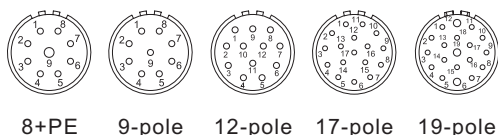
Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



M23 Signal Female Solder, Angled, Shielded, Clockwise

8+PE, 9, 12, 17, 19 poles



Order crimp contacts separately, contacts in page 08.21

Description	Screw type	Contacts	Type	Order No.
M23 Socket Shielded Moulded Angled Metal housing	PG9	8+PE	RPC-M23-FRA-9CON1-PG9-SH2	4328120991
	PG11	8+PE	RPC-M23-FRA-9CON1-PG11-SH2	4328130991
	PG9	9-pole	RPC-M23-FRA-9CON-PG9-SH2	4328120992
	PG11	9-pole	RPC-M23-FRA-9CON-PG11-SH2	4328130992
	PG9	12-pole	RPC-M23-FRA-12CON-PG9-SH2	4328121292
	PG11	12-pole	RPC-M23-FRA-12CON-PG11-SH2	4328131292
	PG9	17-pole	RPC-M23-FRA-17CON-PG9-SH2	4328121792
	PG11	17-pole	RPC-M23-FRA-17CON-PG11-SH2	4328131792
	PG9	19-pole	RPC-M23-FRA-19CON-PG9-SH2	4328121992
	PG11	19-pole	RPC-M23-FRA-19CON-PG11-SH2	4328131992

Technical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

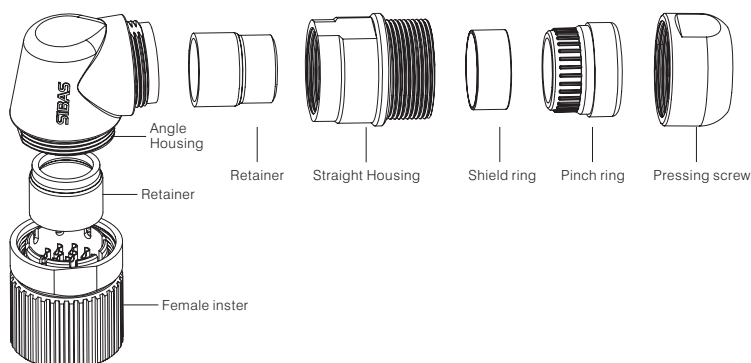
Mechanical data

	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

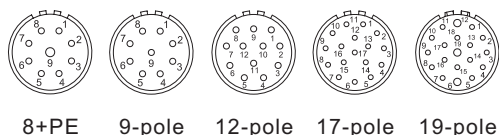
	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Solder	Solder	Solder	Solder	Solder
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

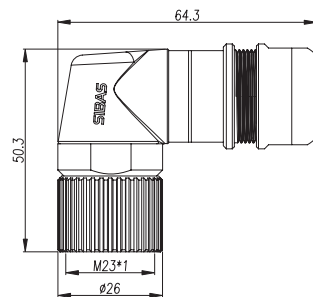


M23 Signal Female Solder, Angled, Shielded, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

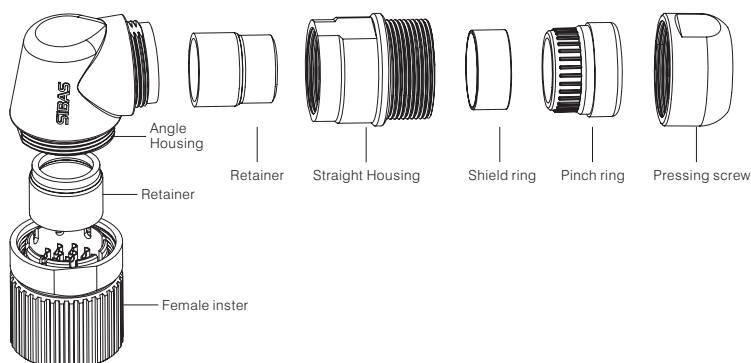
Description	Screw type	Contacts	Type	Order No.
M23 Socket Shielded Solder Angled Metal housing	PG9	8+PE	RPC-M23-FRA-9CON1-PG9-SH2	4329120991
	PG11	8+PE	RPC-M23-FRA-9CON1-PG11-SH2	4329130991
	PG9	9-pole	RPC-M23-FRA-9CON-PG9-SH2	4329120992
	PG11	9-pole	RPC-M23-FRA-9CON-PG11-SH2	4329130992
	PG9	12-pole	RPC-M23-FRA-12CON-PG9-SH2	4329121292
	PG11	12-pole	RPC-M23-FRA-12CON-PG11-SH2	4329131292
	PG9	17-pole	RPC-M23-FRA-17CON-PG9-SH2	4329121792
	PG11	17-pole	RPC-M23-FRA-17CON-PG11-SH2	4329131792
	PG9	19-pole	RPC-M23-FRA-19CON-PG9-SH2	4329121992
	PG11	19-pole	RPC-M23-FRA-19CON-PG11-SH2	4329131992

Technical data	9(8+PE)pole		9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A	20A	8A	8A	8A	8A 10A
Contact-Ø	1mm	2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V		200V	200V	160V	100V
Over voltage category	II		II	II	II	II
Contact resistance	≤3mΩ		≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω		≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2		2	2	2	2
Degree of protection	IP67		IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C		-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

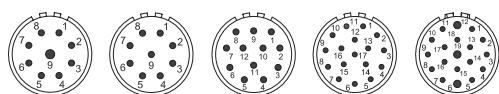
Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Solder	Solder	Solder	Solder	Solder
Cable diameter Pg9	6-10mm	6-10mm	6-10mm	6-10mm	6-10mm
Cable diameter Pg11	10-14mm	10-14mm	10-14mm	10-14mm	10-14mm
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

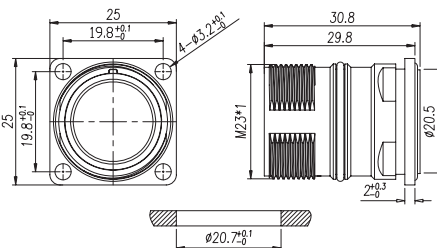


M23 Signal Male Base, Moulded, Straight, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Contacts	Type	Order No.
M23Plug	8+PE	RPC-M23-MBA-9CON1-PG9-LA	4348120961
Shielded	9-pole	RPC-M23-MBA-9CON-PG9-LA	4348120960
Moulded	12-pole	RPC-M23-MBA-12CON-PG9-LA	4348121260
Straight	17-pole	RPC-M23-MBA-17CON-PG9-LA	4348121760
Metal housing	19-pole	RPC-M23-MBA-19CON-PG9-LA	4348121960

Technical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

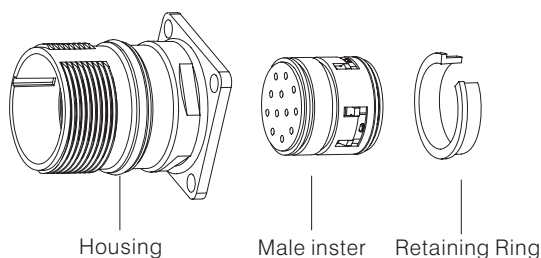
Mechanical data

Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

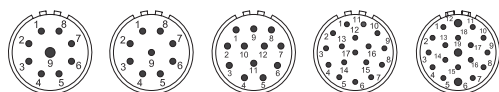
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

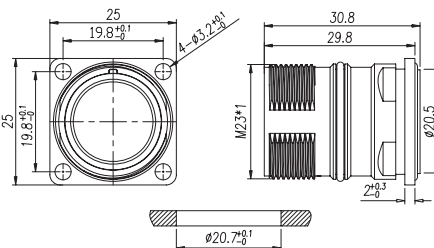


M23 Signal Male Base, Moulded, Straight, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Contacts	Type	Order No.
M23Plug	8+PE	RPC-M23-MBI-9CON1-PG9-LA	4349120961
Shielded	9-pole	RPC-M23-MBI-9CON-PG9-LA	4349120960
Moulded	12-pole	RPC-M23-MBI-12CON-PG9-LA	4349121260
Straight	17-pole	RPC-M23-MBI-17CON-PG9-LA	4349121760
Metal housing	19-pole	RPC-M23-MBI-19CON-PG9-LA	4349121960

Technical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

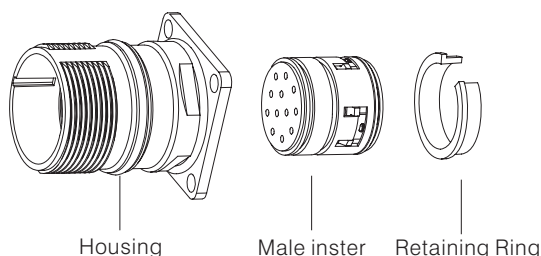
Mechanical data

Pinout type	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



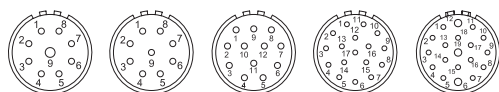
Housing

Male inster

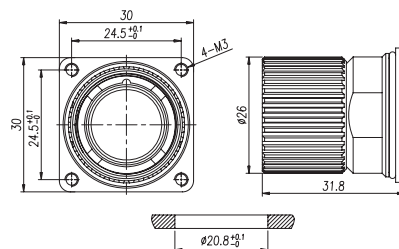
Retaining Ring

M23 Signal Female Base, Moulded, Straight, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

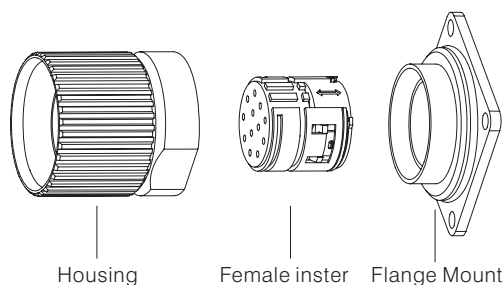
Description	Contacts	Type	Order No.
M23Socket, Shielded, Moulded, Straight, Metal housing	8+PE	RPC-M23-FBA-9CON1-PG9-LA	4348120971
	9-pole	RPC-M23-FBA-9CON-PG9-LA	4348120970
	12-pole	RPC-M23-FBA-12CON-PG9-LA	4348121270
	17-pole	RPC-M23-FBA-17CON-PG9-LA	4348121770
	19-pole	RPC-M23-FBA-19CON-PG9-LA	4348121970

Technical data	(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

Mechanical data	(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

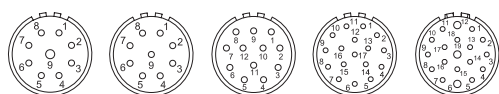
Connector data	(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

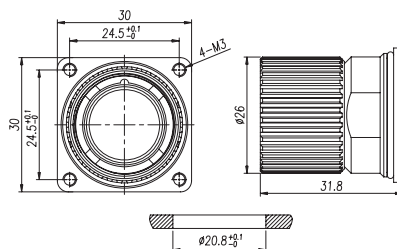


M23 Signal Female Base, Moulded, Straight, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Contacts	Type	Order No.
M23Socket, Shielded, Moulded, Straight, Metal housing	8+PE	RPC-M23-FBI-9CON1-PG9-LA	4349120971
	9-pole	RPC-M23-FBI-9CON-PG9-LA	4349120970
	12-pole	RPC-M23-FBI-12CON-PG9-LA	4349121270
	17-pole	RPC-M23-FBI-17CON-PG9-LA	4349121770
	19-pole	RPC-M23-FBI-19CON-PG9-LA	4349121970

Technical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

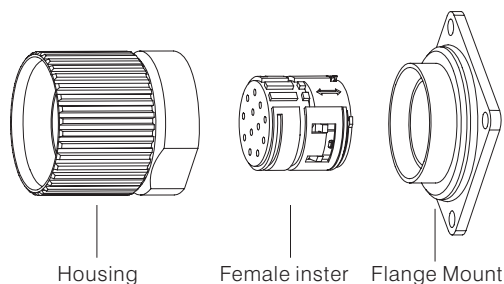
Mechanical data

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



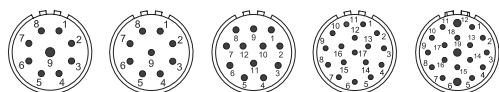
Housing

Female inster

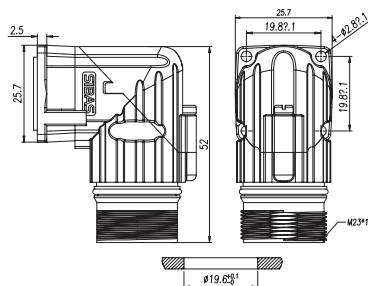
Flange Mount

M23 Signal Male Base, Moulded, Angled, rotatable, Clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

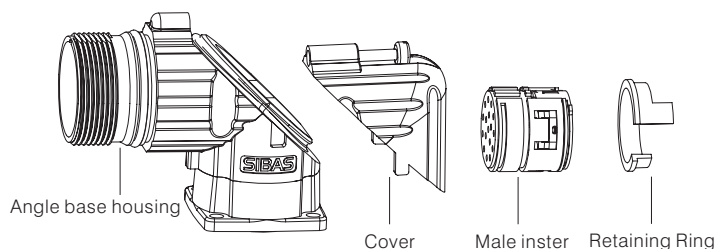
Description	Contacts	Type	Order No.
M23Plug	8+PE	RPC-M23-MBA-9CON1-PG9-LP	4398120961
Shielded	9-pole	RPC-M23-MBA-9CON-PG9-LP	4398120964
Moulded	12-pole	RPC-M23-MBA-12CON-PG9-LP	4398121264
Straight	17-pole	RPC-M23-MBA-17CON-PG9-LP	4398121764
Metal housing	19-pole	RPC-M23-MBA-19CON-PG9-LP	4398121964

Technical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

Mechanical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Pinout type	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

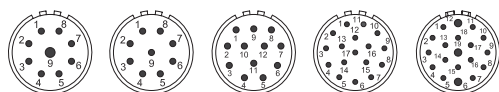
Connector data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction

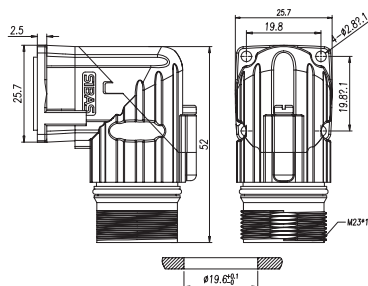


M23 Signal Male Base, Moulded, Angled, rotatable, Counter-clockwise

8+PE, 9, 12, 17, 19 poles



8+PE 9-pole 12-pole 17-pole 19-pole



Order crimp contacts separately, contacts in page 08.21

Description	Contacts	Type	Order No.
M23Plug	8+PE	RPC-M23-MBI-9CON1-PG9-LP	4399120961
Shielded	9-pole	RPC-M23-MBI-9CON-PG9-LP	4399120964
Moulded	12-pole	RPC-M23-MBI-12CON-PG9-LP	4399121264
Straight	17-pole	RPC-M23-MBI-17CON-PG9-LP	4399121764
Metal housing	19-pole	RPC-M23-MBI-19CON-PG9-LP	4399121964

Technical data	9(8+PE)pole	9-pole	12-pole	17-pole	19(16+3)pole
Nominal current	8A 20A	8A	8A	8A	8A 10A
Contact-Ø	1mm 2mm	1mm	1mm	1mm	1mm 1.5mm
Rated voltage	200V	200V	200V	160V	100V
Over voltage category	II	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C	-40°C~+125°C

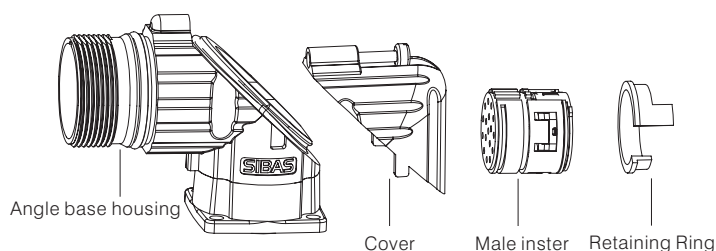
Mechanical data

Pinout type	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Mechanical operation	>500	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded	Moulded	Moulded	Moulded
Connection cross-section min./max.	8x1.5mm ² /1x2.5mm ²	1.5mm ²	1.0mm ²	1.0mm ²	16x1.0mm ² /3x1.5mm ²

Assembly instruction



M23 Power Male, Moulded, Straight, Shielded

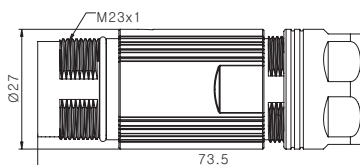
6,8poles



5+PE



4+3+PE



Description	Screw type	Contacts	Type	Order No.
M23 Plug	PG9	6-pole	RPC-M23-MSP-6CON-PG9-SH	4410120661
Shielded, Moulded	PG11	6-pole	RPC-M23-MSP-6CON-PG11-SH	4410130661
Straight	PG9	8-pole	RPC-M23-MSP-8CON-PG9-SH	4410120861
Metal housing	PG11	8-pole	RPC-M23-MSP-8CON-PG11-SH	4410130861

Technical data

	6(5+PE)pole	8(4+3+PE)pole
Nominal current	28A	8A 28A
Contact-Ø	2mm	1mm 2mm
Rated voltage	630V	200V 630V
Over voltage category	II	II
Contact resistance	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2
Degree of protection	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C

Mechanical data

Mechanical operation	>500	>500
Contact carrier material	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded
Cable diameter PG9	6-10mm	6-10mm
Cable diameter PG11	10-14mm	10-14mm
Connection cross-section min./max.	4mm ²	4x1.5mm ² /4x4mm ²

Assembly instruction

M23 Power Female, Moulded, Straight, Shielded

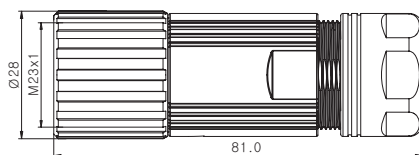
6,8poles



5+PE



4+3+PE



Description	Screw type	Contacts	Type	Order No.
M23 Plug	PG9	6-pole	RPC-M23-FSP-6CON-PG9-SH	4400120671
Shielded, Moulded	PG11	6-pole	RPC-M23-FSP-6CON-PG11-SH	4400130671
Straight	PG9	8-pole	RPC-M23-FSP-8CON-PG9-SH	4400120871
Metal housing	PG11	8-pole	RPC-M23-FSP-8CON-PG11-SH	4400130871

Technical data

	6(5+PE)pole	8(4+3+PE)pole
Nominal current	28A	8A 28A
Contact-Ø	2mm	1mm 2mm
Rated voltage	630V	200V 630V
Over voltage category	II	II
Contact resistance	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2
Degree of protection	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C

Mechanical data

Mechanical operation	>500	>500
Contact carrier material	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded
Cable diameter PG9	6-10mm	6-10mm
Cable diameter PG11	10-14mm	10-14mm
Connection cross-section min./max.	4mm ²	4x1.5mm ² /4x4mm ²

Assembly instruction

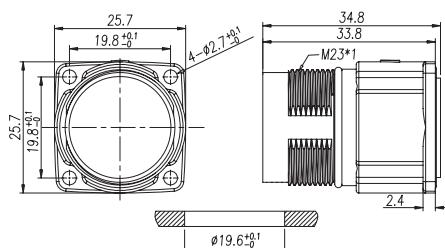
M23 Power Male Base, Moulded, Stright

6,8poles



5+PE

4+3+PE



Description	Contacts	Type	Order No.
M23Plug,Shielded,Moulded, Straight,Metal housing	6-pole	RPC-M23-MBP-6CON-PG9-LA	4446120661
	8-pole	RPC-M23-MBP-8CON-PG9-LA	4446120861

Technical data

	6(5+PE)pole	8(4+3+PE)pole
Nominal current	28A	8A 28A
Contact-Ø	2mm	1mm 2mm
Rated voltage	630V	200V 630V
Over voltage category	II	II
Contact resistance	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2
Degree of protection	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C

Mechanical data

Mechanical operation	>500	>500
Contact carrier material	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded
Connection cross-section min./max.	4mm ²	4x1.5mm ² /4x4mm ²

Assembly instruction

M23 Power Female Base, Moulded, Stright

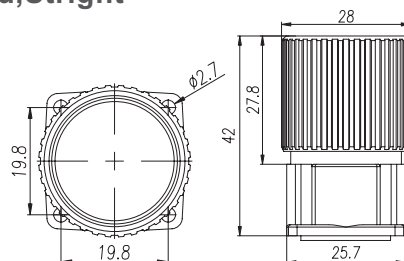
6,8poles



5+PE



4+3+PE



Description	Contacts	Type	Order No.
M23 Socket, Shielded, Moulded, Straight, Metal housing	6-pole	RPC-M23-FBP-6CON-PG9-LA	4446120671
	8-pole	RPC-M23-FBP-8CON-PG9-LA	4446120871

Technical data

	6(5+PE)pole	8(4+3+PE)pole
Nominal current	28A	8A 28A
Contact-Ø	2mm	1mm 2mm
Rated voltage	630V	200V 630V
Over voltage category	II	II
Contact resistance	≤3mΩ	≤3mΩ
Insulation resistance	≥10 ¹⁰ Ω	≥10 ¹⁰ Ω
Pollution degree	2	2
Degree of protection	IP67	IP67
Operation temperature	-40°C~+125°C	-40°C~+125°C

Mechanical data

Mechanical operation	>500	>500
Contact carrier material	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au

Connector data

Type of connection	Moulded	Moulded
Connection cross-section min./max.	4mm ²	4x1.5mm ² /4x4mm ²

Assembly instruction

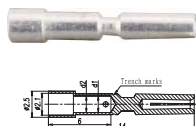
M23 Signal , Moulded , Male contact, Female contact

Male



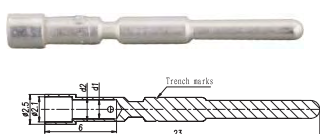
Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø1.0	0.14-0.5mm/AWG26-20	6mm	Au	1 groove	RPC-M23-M-1.0U-0.5	4361000560
Ø1.0	0.14-0.5mm/AWG26-20	6mm	Ag	no groove	RPC-M23-M-1.0G-0.5	4371000560
Ø1.0	0.5-1.0mm/AWG20-16	6mm	Au	1 groove	RPC-M23-M-1.0U-1.0	4361001060
Ø1.0	0.5-1.0mm/AWG20-16	6mm	Ag	no groove	RPC-M23-M-1.0G-1.0	4371001060

Female



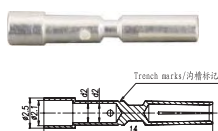
Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø1.0	0.14-0.5mm/AWG26-20	6mm	Au	1 groove	RPC-M23-F-1.0U-0.5	4361000570
Ø1.0	0.14-0.5mm/AWG26-20	6mm	Ag	no groove	RPC-M23-F-1.0G-0.5	4371000570
Ø1.0	0.5-1.0mm/AWG20-16	6mm	Au	1 groove	RPC-M23-F-1.0U-1.0	4361001070
Ø1.0	0.5-1.0mm/AWG20-16	6mm	Ag	no groove	RPC-M23-F-1.0G-1.0	4371001070

Male



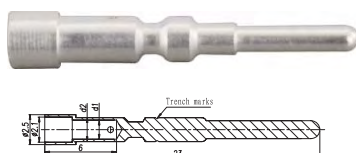
Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø1.5	0.14-0.5mm/AWG26-20	6mm	Au	1 groove	RPC-M23-M-1.5U-0.5	4361500560
Ø1.5	0.14-0.5mm/AWG26-20	6mm	Ag	no groove	RPC-M23-M-1.5G-0.5	4371500560
Ø1.5	0.5-1.0mm/AWG20-16	6mm	Au	1 groove	RPC-M23-M-1.5U-1.0	4361501060
Ø1.5	0.5-1.0mm/AWG20-16	6mm	Ag	no groove	RPC-M23-M-1.5G-1.0	4371501060

Female



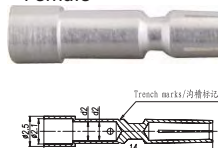
Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø1.5	0.14-0.5mm/AWG26-20	6mm	Au	1 groove	RPC-M23-F-1.5U-0.5	4361500570
Ø1.5	0.14-0.5mm/AWG26-20	6mm	Ag	no groove	RPC-M23-F-1.5G-0.5	4371500570
Ø1.5	0.5-1.0mm/AWG20-16	6mm	Au	1 groove	RPC-M23-F-1.5U-1.0	4361501070
Ø1.5	0.5-1.0mm/AWG20-16	6mm	Ag	no groove	RPC-M23-F-1.5G-1.0	4371501070

Male



Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø2.0	0.75-2.5mm/AWG18-14	9mm	Au	no groove	RPC-M23-M-2.0U-0.5	4362000560
Ø2.0	0.75-2.5mm/AWG18-14	9mm	Ag	no groove	RPC-M23-M-2.0G-0.5	4372000560

Female



Contact-Ø	Wire gauge	Stripping length	Surface	Mark trench	Type	Order No.
Ø2.0	0.75-2.5mm/AWG18-14	9mm	Au	no groove	RPC-M23-F-2.0U-0.5	4362000570
Ø2.0	0.75-2.5mm/AWG18-14	9mm	Ag	no groove	RPC-M23-F-2.0G-0.5	4372000570

M23 Power Male, Moulded, Straight

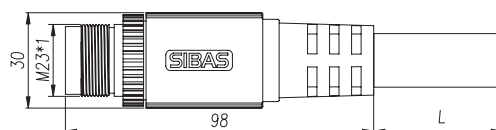
6,8poles



5+PE



4+3+PE



Description	PUR Cable		PVC Cable	
	Type	Order No.	Type	Order No.
1.5m,6poles	RPC-M23-MSP-6CON-PUR-1.0	4416066010	RPC-M23-MSP-6CON-PVC-1.0	4417066010
3.0m,6poles	RPC-M23-MSP-6CON-PUR-3.0	4416066030	RPC-M23-MSP-6CON-PVC-3.0	4417066030
5.0m,6poles	RPC-M23-MSP-6CON-PUR-5.0	4416066050	RPC-M23-MSP-6CON-PVC-5.0	4417066050
10m,6poles	RPC-M23-MSP-6CON-PUR-10.0	4416066100	RPC-M23-MSP-6CON-PVC-10.0	4417066100
1.5m,8poles	RPC-M23-MSP-8CON-PUR-1.0	4416086010	RPC-M23-MSP-8CON-PVC-1.0	4417086010
3.0m,8poles	RPC-M23-MSP-8CON-PUR-3.0	4416086030	RPC-M23-MSP-8CON-PVC-3.0	4417086030
5.0m,8poles	RPC-M23-MSP-8CON-PUR-5.0	4416086050	RPC-M23-MSP-8CON-PVC-5.0	4417086050
10m,8poles	RPC-M23-MSP-8CON-PUR-10.0	4416086100	RPC-M23-MSP-8CON-PVC-10.0	4417086100

Technical data	PUR Cable		PVC Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Nominal current	28A	28A	8A 28A	8A 28A
Contact-Ø	2mm	2mm	1mm 2mm	1mm 2mm
Rated voltage	630V	630V	300V 630V	300V 630V
Over voltage category	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Pollution degree	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67
Cable, fixed installation	-40°C~+80°C	-10°C~+70°C	-40°C~+80°C	-10°C~+70°C
Cable, flexible installation	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C
Ambient temperature	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C

Mechanical data	PUR Cable		PVC Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Mechanical operation	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au
Material of grip body	TPU	TPU	TPU	TPU

Connector data	PUR Cable		PVC Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Cable Jacket	PUR	PVC	PUR	PVC
Cable diameter	13mm	13mm	13mm	13mm
Wire cross section	3.5mm ²	3.5mm ²	4x1.5mm ² + 4x3.5mm ²	4x1.5mm ² + 4x3.5mm ²

Assembly instruction

M23 Power Female, Moulded, Straight, Shielded

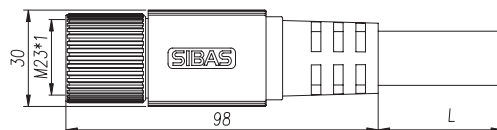
6,8poles



5+PE



4+3+PE



Description	PUR Cable		PVC Cable	
	Type	Order No.	Type	Order No.
1.5m,6poles	RPC-M23-FSP-6CON-PUR-1.0	4406067010	RPC-M23-FSP-6CON-PVC-1.0	4407067010
3.0m,6poles	RPC-M23-FSP-6CON-PUR-3.0	4406067030	RPC-M23-FSP-6CON-PVC-3.0	4407067030
5.0m,6poles	RPC-M23-FSP-6CON-PUR-5.0	4406067050	RPC-M23-FSP-6CON-PVC-5.0	4407067050
10m,6poles	RPC-M23-FSP-6CON-PUR-10.0	4406067100	RPC-M23-FSP-6CON-PVC-10.0	4407067100
1.5m,8poles	RPC-M23-FSP-8CON-PUR-1.0	4406087010	RPC-M23-FSP-8CON-PVC-1.0	4407087010
3.0m,8poles	RPC-M23-FSP-8CON-PUR-3.0	4406087030	RPC-M23-FSP-8CON-PVC-3.0	4407087030
5.0m,8poles	RPC-M23-FSP-8CON-PUR-5.0	4406087050	RPC-M23-FSP-8CON-PVC-5.0	4407087050
10m,8poles	RPC-M23-FSP-8CON-PUR-10.0	4406087100	RPC-M23-FSP-8CON-PVC-10.0	4407087100

Technical data	PUR Cable		PVR Cable		PUR Cable		PVR Cable	
	6(5+PE)pole		6(5+PE)pole		8(4+3+PE)pole		8(4+3+PE)pole	
Nominal current	28A		28A		8A	28A	8A	28A
Contact-Ø	2mm		2mm		1mm	2mm	1mm	2mm
Rated voltage	630V		630V		300V	630V	300V	630V
Over voltage category	II		II		II		II	
Contact resistance	≤3mΩ		≤3mΩ		≤3mΩ		≤3mΩ	
Pollution degree	2		2		2		2	
Degree of protection	IP67		IP67		IP67		IP67	
Cable, fixed installation	-40°C~+80°C		-10°C~+70°C		-40°C~+80°C		-10°C~+70°C	
Cable, flexible installation	-5°C~+80°C		-5°C~+80°C		-5°C~+80°C		-5°C~+80°C	
Ambient temperature	-25°C~+90°C		-25°C~+90°C		-25°C~+90°C		-25°C~+90°C	

Mechanical data

	PUR Cable	PVC Cable	PUR Cable	PVC Cable
Mechanical operation	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au
Material of grip body	TPU	TPU	TPU	TPU

Connector data

	PUR	PVC	PUR	PVC
Cable Jacket	PUR	PVC	PUR	PVC
Cable diameter	13mm	13mm	13mm	13mm
Wire cross section	3.5mm ²	3.5mm ²	4x1.5mm ² + 4x3.5mm ²	4x1.5mm ² + 4x3.5mm ²

Assembly instruction

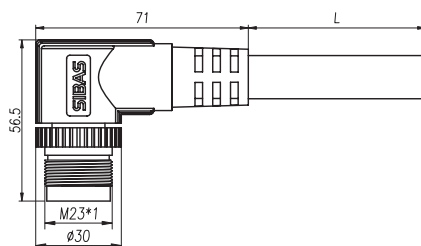
M23 Power Male, Moulded, Angled

6,8poles



5+PE

4+3+PE



Description	PUR Cable		PVC Cable	
	Type	Order No.	Type	Order No.
Cable length				
1.5m,6poles	RPC-M23-MRP-6CON-PUR-1.0	4436066010	RPC-M23-MRP-6CON-PVC-1.0	4437066010
3.0m,6poles	RPC-M23-MRP-6CON-PUR-3.0	4436066030	RPC-M23-MRP-6CON-PVC-3.0	4437066030
5.0m,6poles	RPC-M23-MRP-6CON-PUR-5.0	4436066050	RPC-M23-MRP-6CON-PVC-5.0	4437066050
10m,6poles	RPC-M23-MRP-6CON-PUR-10.0	4436066100	RPC-M23-MRP-6CON-PVC-10.0	4437066100
1.5m,8poles	RPC-M23-MRP-8CON-PUR-1.0	4436086010	RPC-M23-MRP-8CON-PVC-1.0	4437086010
3.0m,8poles	RPC-M23-MRP-8CON-PUR-3.0	4436086030	RPC-M23-MRP-8CON-PVC-3.0	4437086030
5.0m,8poles	RPC-M23-MRP-8CON-PUR-5.0	4436086050	RPC-M23-MRP-8CON-PVC-5.0	4437086050
10m,8poles	RPC-M23-MRP-8CON-PUR-10.0	4436086100	RPC-M23-MRP-8CON-PVC-10.0	4437086100

Technical data	PUR Cable		PVR Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Nominal current	28A	28A	8A 28A	8A 28A
Contact-Ø	2mm	2mm	1mm 2mm	1mm 2mm
Rated voltage	630V	630V	300V 630V	300V 630V
Over voltage category	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Pollution degree	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67
Cable, fixed installation	-40°C~+80°C	-10°C~+70°C	-40°C~+80°C	-10°C~+70°C
Cable, flexible installation	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C
Ambient temperature	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C

Mechanical data	PUR Cable		PVR Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Mechanical operation	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au
Material of grip body	TPU	TPU	TPU	TPU

Connector data	PUR Cable		PVC Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Cable Jacket	PUR	PVC	PUR	PVC
Cable diameter	13mm	13mm	13mm	13mm
Wire cross section	3.5mm ²	3.5mm ²	4x1.5mm ² + 4x3.5mm ²	4x1.5mm ² + 4x3.5mm ²

Assembly instruction

M23 Power Female, Moulded, Straight, Angled

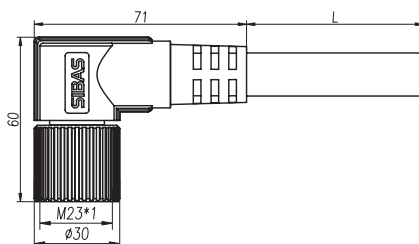
6,8poles



5+PE



4+3+PE



Description	PUR Cable		PVC Cable	
	Type	Order No.	Type	Order No.
1.5m,6poles	RPC-M23-FRP-6CON-PUR-1.0	4426067010	RPC-M23-FRP-6CON-PVC-1.0	4427067010
3.0m,6poles	RPC-M23-FRP-6CON-PUR-3.0	4426067030	RPC-M23-FRP-6CON-PVC-3.0	4427067030
5.0m,6poles	RPC-M23-FRP-6CON-PUR-5.0	4426067050	RPC-M23-FRP-6CON-PVC-5.0	4427067050
10m,6poles	RPC-M23-FRP-6CON-PUR-10.0	4426067100	RPC-M23-FRP-6CON-PVC-10.0	4427067100
1.5m,8poles	RPC-M23-FRP-8CON-PUR-1.0	4426087010	RPC-M23-FRP-8CON-PVC-1.0	4427087010
3.0m,8poles	RPC-M23-FRP-8CON-PUR-3.0	4426087030	RPC-M23-FRP-8CON-PVC-3.0	4427087030
5.0m,8poles	RPC-M23-FRP-8CON-PUR-5.0	4426087050	RPC-M23-FRP-8CON-PVC-5.0	4427087050
10m,8poles	RPC-M23-FRP-8CON-PUR-10.0	4426087100	RPC-M23-FRP-8CON-PVC-10.0	4427087100

Technical data	PUR Cable		PVR Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Nominal current	28A	28A	8A 28A	8A 28A
Contact-Ø	2mm	2mm	1mm 2mm	1mm 2mm
Rated voltage	630V	630V	300V 630V	300V 630V
Over voltage category	II	II	II	II
Contact resistance	≤3mΩ	≤3mΩ	≤3mΩ	≤3mΩ
Pollution degree	2	2	2	2
Degree of protection	IP67	IP67	IP67	IP67
Cable, fixed installation	-40°C~+80°C	-10°C~+70°C	-40°C~+80°C	-10°C~+70°C
Cable, flexible installation	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C	-5°C~+80°C
Ambient temperature	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C	-25°C~+90°C

Mechanical data	PUR Cable		PVR Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Mechanical operation	>500	>500	>500	>500
Contact carrier material	PBT	PBT	PBT	PBT
Contact surface/plating	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au	CuSn/Ag/Au
Material of grip body	TPU	TPU	TPU	TPU

Connector data	PUR Cable		PVC Cable	
	6(5+PE)pole	6(5+PE)pole	8(4+3+PE)pole	8(4+3+PE)pole
Cable Jacket	PUR	PVC	PUR	PVC
Cable diameter	13mm	13mm	13mm	13mm
Wire cross section	3.5mm ²	3.5mm ²	4x1.5mm ² + 4x3.5mm ²	4x1.5mm ² + 4x3.5mm ²

Assembly instruction