

Rectangular Multi-connector with ø10, ø12 One-touch Fittings

RoHS

ø10, ø12 One-touch fittings added to the multi-connector.

■ Multiple pipes (6, 10, 20 tubes) can be collectively connected/disconnected in one-touch operation.



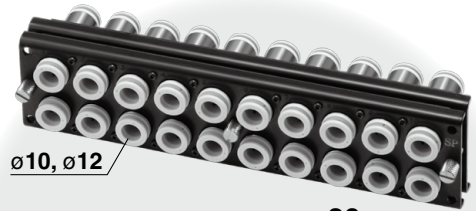
ø10, ø12

No. of connecting tubes: 6



ø10, ø12

No. of connecting tubes: 10

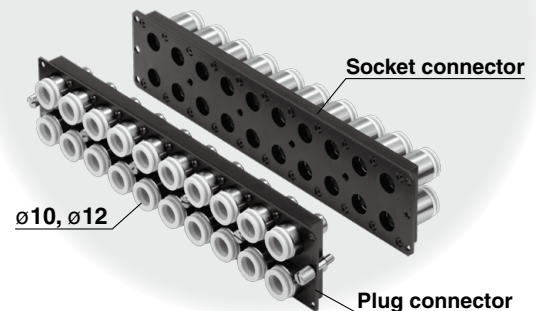


ø10, ø12

No. of connecting tubes: 20

Model

No. of connecting tubes	Tubing O.D.	Model	Weight (g)	Release button color
6	ø10	KDM6-10-X1053	611	Light gray
	ø12	KDM6-12-X1053	607	
10	ø10	KDM10-10-X1053	708	
	ø12	KDM10-12-X1053	995	
20	ø10	KDM20-10-X1053	1385	
	ø12	KDM20-12-X1053	1945	



Socket connector

ø10, ø12

Plug connector

Applicable Tubing

Tubing material	Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø10, ø12

Specifications

Fluid	Air
Operating pressure range Note)	0 to 1 MPa
Proof pressure	1.5 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)

Note) Please avoid using in a vacuum holding application such as a leak tester, since there is leakage.

Series Variations

	Rectangular Multi-connector/KDM			Multi-connector/DMK	
	No. of connecting tubes			No. of connecting tubes	
	6	10	20	6	12
ø2	●				
ø3.2		●	●	●	●
ø4		●	●	●	●
ø6		●	●		
ø8		●	●		
New ø10	★	★	★		
New ø12	★	★	★		

12-E596

Best
Pneumatics **6**

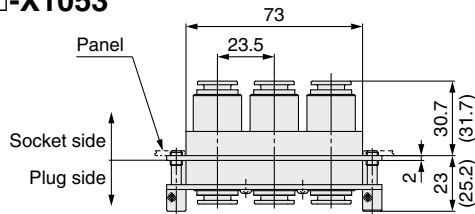
KDM-X1053

13-E610

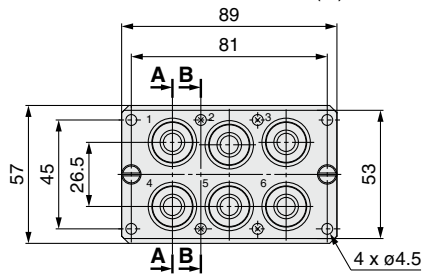
KDM-X1053

Dimensions/Construction

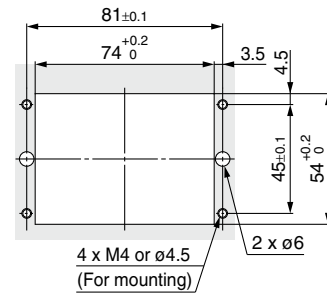
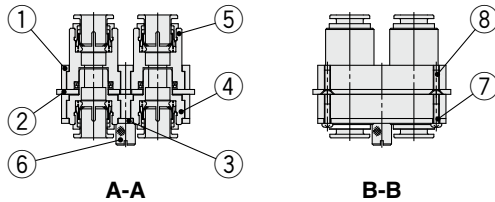
KDM6-□-X1053



(): Dimensions for KDM6-12-X1053



Plug side

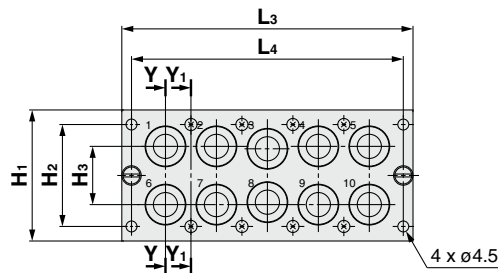
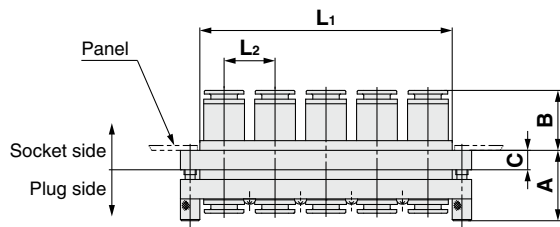


Panel mounting hole

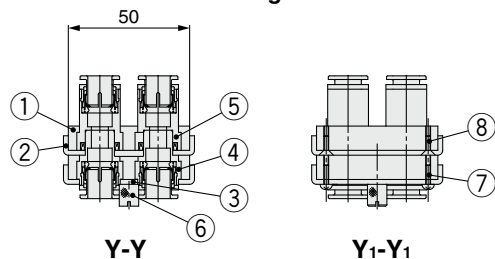
Component Parts

No.	Description	Material	Quantity	Note
1	Case 6 tubes	A6063	2	Black anodized
2	Plate (A) 6 tubes	SPCC	1	Black zinc chromated
3	Plate (B) 6 tubes	SPCC	1	Black zinc chromated
4	Plug	—	6	Electroless nickel plating
5	Socket	—	6	Electroless nickel plating
6	Clamp bolt	C3604	2	Electroless nickel plating
7	Cross recessed round head screw	SWRM	4	M2.5 x 8 Black zinc chromated
8	Cross recessed countersunk head screw	SWRM	4	M2.5 x 8 Black zinc chromated

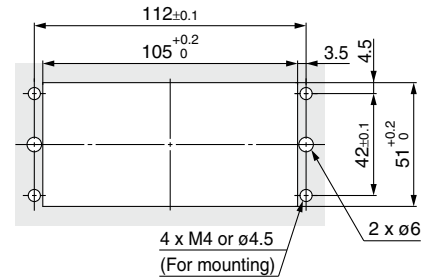
KDM10-□-X1053



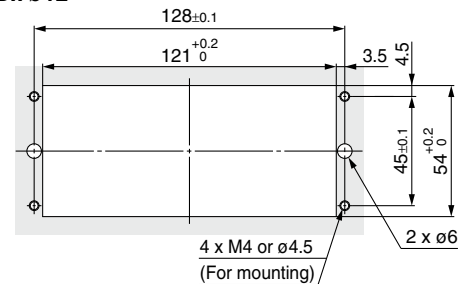
Plug side



Tubing O.D.: ø10



Tubing O.D.: ø12



Panel mounting hole

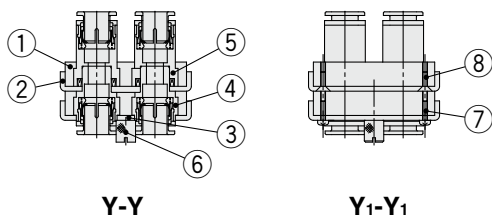
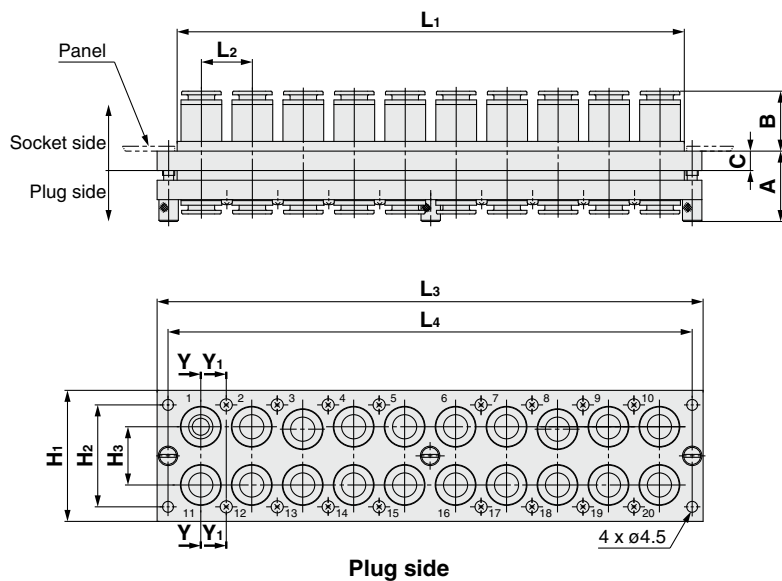
Component Parts

No.	Description	Material	Quantity	Note
1	Case 10 tubes	A6063	2	Black anodized
2	Plate (A) 10 tubes	SPCC	1	Black zinc chromated
3	Plate (B) 10 tubes	SPCC	1	Black zinc chromated
4	Plug	—	10	Electroless nickel plating
5	Socket	—	10	Electroless nickel plating
6	Clamp bolt	C3604	2	Electroless nickel plating
7	Cross recessed round head screw	SWRM	8	M2.5 x 8 Black zinc chromated
8	Cross recessed countersunk head screw	SWRM	8	M2.5 x 8 Black zinc chromated

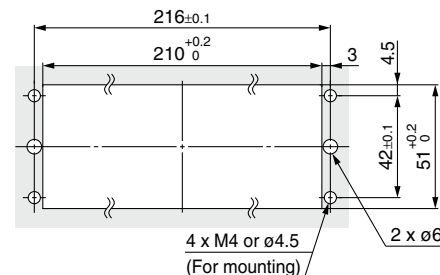
Model	A	B	C	L1	L2	L3	L4	H1	H2	H3
KDM10-10-X1053	29	24.7	8	104	21	120	112	54	42	24
KDM10-12-X1053	25.2	31.7	2	120	23.5	136	128	57	45	26.5

Dimensions/Construction

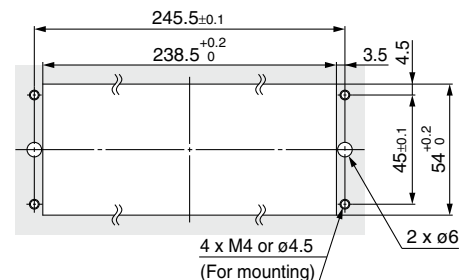
KDM20-□-X1053



Tubing O.D.: $\phi 10$



Tubing O.D.: $\phi 12$



Panel mounting hole

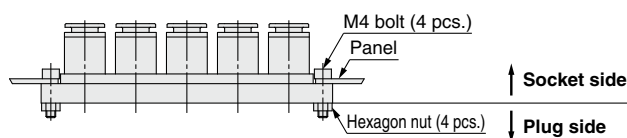
Model	A	B	C	L1	L2	L3	L4	H1	H2	H3
KDM20-10-X1053	29	24.7	8	209	21	225	216	54.5	42	24
KDM20-12-X1053	25.5	31.7	2	237.5	23.5	253.5	245.5	57	45	26.5

Component Parts

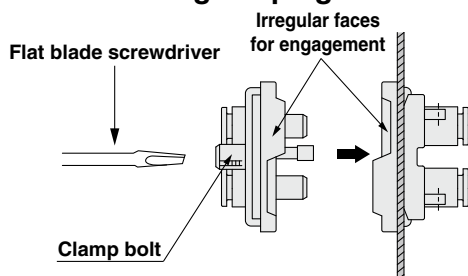
No.	Description	Material	Quantity	Note
1	Case 20 tubes	A6063	2	Black anodized
2	Plate (A) 20 tubes	SPCC	1	Black zinc chromated
3	Plate (B) 20 tubes	SPCC	1	Black zinc chromated
4	Plug	—	20	Electroless nickel plating
5	Socket	—	20	Electroless nickel plating
6	Clamp bolt	C3604	3	Electroless nickel plating
7	Cross recessed round head screw	SWRM	16	M2.5 x 8 Black zinc chromated
8	Cross recessed countersunk head screw	SWRM	16	M2.5 x 8 Black zinc chromated

⚠ Caution

1. Socket case fixing bolts (M4) and the hexagon nuts for mounting to the panel should be provided by the customer.



2. A flat blade screwdriver is necessary when tightening the clamp bolt after connecting the plug case to the socket case.



 Safety Instructions	Be sure to read "Handling Precautions for SMC Products" (M-E03-3) before using.
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