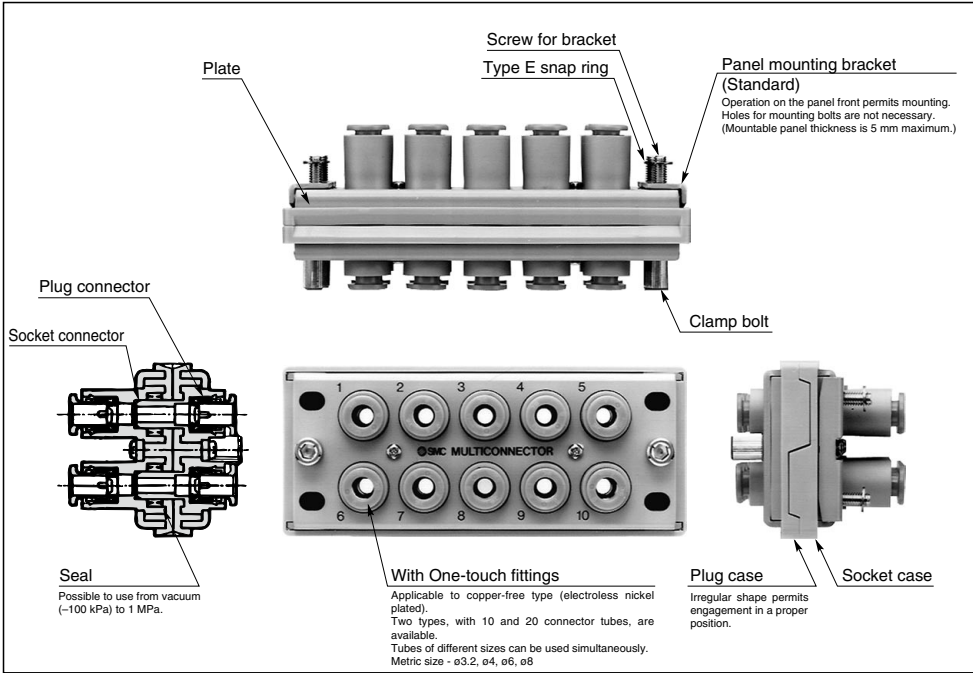


Series 10-KDM

Rectangular Multi-connector
Number of Connecting Tubes: 10, 20

RoHS



Model

Number of connecting tubes	Tubing O.D.		Model	Weight	Color of release button
10	Metric size	ø3.2	10-KDM10-23	300 g	White
		ø4	10-KDM10-04		
		ø6	10-KDM10-06	520 g	
		ø8	10-KDM10-08		
20	Metric size	ø3.2	10-KDM20-23	520 g	White
		ø4	10-KDM20-04		
		ø6	10-KDM20-06	950 g	
		ø8	10-KDM20-08		

Applicable Tubing Material

Tubing material	Polyurethane
Tubing O.D.	Metric size ø3.2, ø4, ø6, ø8

Specifications

Fluid	Air
Operating pressure range <small>Note)</small>	-100 kPa to 1 MPa
Proof pressure	1.5 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Grease	Fluorine grease
Cleanliness class (ISO class)	Class 5

Note) Do not use the S couplers with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.

Directional Control Valves

Air Cylinders

Rotary Actuators

Air Grippers

Air Preparation Equipment

Modular F. R.

Pressure Control Equipment

Fittings & Tubing

Flow Control Equipment

Pressure Switches/Pressure Sensors

Principal Parts Material

Plug case, socket case		POM
Plate, bracket		SPCC plated
Plug connector, socket connector	Body	PBT, C3604BD electroless nickel plated (ø8, ø5/16)
	Chuck	Stainless steel 304
	Guide	PBT (ø8, ø5/16), Stainless steel 304
	Collet, Release button	POM
	Seal	NBR
Clamp bolt, Screw for bracket, Cross-recessed round head screw		SWRM nickel plated
Type E snap ring		Stainless steel 304

Part No.

Number of connection tubes	Tubing O.D.	Part no.		Color of release button
		Plug	Socket	
10	ø3.2	10-KDM10P-23	10-KDM10S-23	White
	ø4	10-KDM10P-04	10-KDM10S-04	
	ø6	10-KDM10P-06	10-KDM10S-06	
	ø8	10-KDM10P-08	10-KDM10S-08	
20	ø3.2	10-KDM20P-23	10-KDM20S-23	
	ø4	10-KDM20P-04	10-KDM20S-04	
	ø6	10-KDM20P-06	10-KDM20S-06	
	ø8	10-KDM20P-08	10-KDM20S-08	

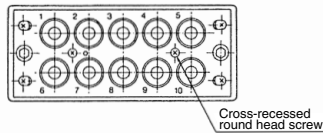
Mixed Sizes of Plug Connectors and Socket Connectors

The rectangular multi-connector permits connector exchange in any desired position, thus allowing use of different sizes of tubes.

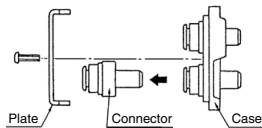
Part No.

Connector	Tubing O.D.	Part no.	Color of release button
Plug connector	ø3.2	10-KDMP-23	White
	ø4	10-KDMP-04	
	ø6	10-KDMP-06	
	ø8	10-KDMP-08	
Socket connector (with seal)	ø3.2	10-KDMS-23	
	ø4	10-KDMS-04	
	ø6	10-KDMS-06	
	ø8	10-KDMS-08	

(1) Loosen the cross-recessed round head screws using a Phillips screwdriver to remove the plate from the case.



(2) After exchanging connectors in desired places, fix the plate to the case by using a Phillips screwdriver.





Specific Product Precautions

Be sure to read this before handling.

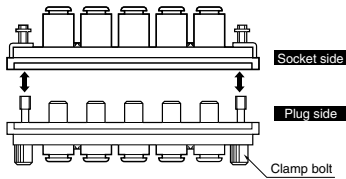
How to Use



Caution

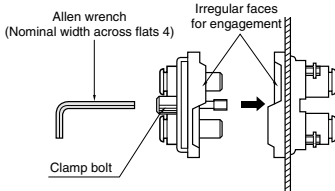
1. Separation

Loosen the clamp bolt to separate the plug side from the socket side.



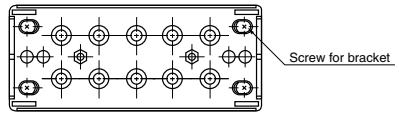
2. Connection

Put together the irregular faces for engagement and connect the plug case to the socket. After tightening the clamp bolt by hand, tighten it further with an Allen wrench (nominal width across flats: 4).

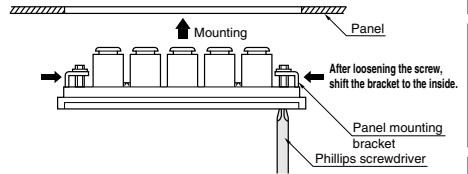


3. Panel mounting

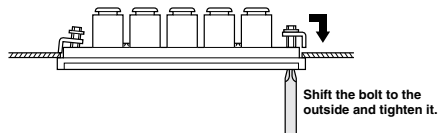
1) Loosen 4 screws for bracket on the socket side using a Phillips screwdriver (JIS nominal No. 2) until the bracket touches the snap ring.



2) Shift the panel mounting bracket to the inside (move the screw for bracket in the longitudinal direction of the slot) and put the connector in the panel mounting hole. (Please refer to the panel mounting hole "Dimensions".)



3) After shifting the bolt for bracket to the outside, tighten the bolt by a Phillips screwdriver to fix the socket case.



4) Loosen the screw for bracket until the bracket touches the snap ring and shift the bracket to the inside to remove the connector from the panel.

Directional
Control Valves

Air Cylinders

Rotary Actuators

Air Grippers

Air Preparation
Equipment

Modular F. R.

Pressure Control
Equipment

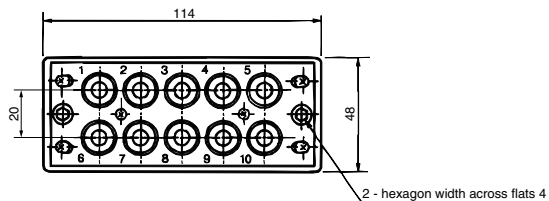
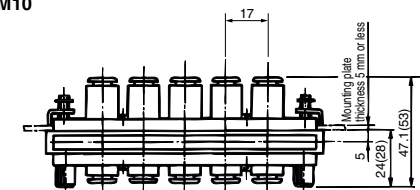
Fittings & Tubing

Flow Control
Equipment

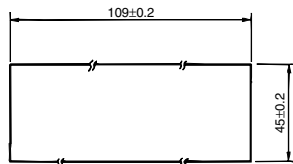
Pressure Switches/
Pressure Sensors

Dimensions

10-KDM10

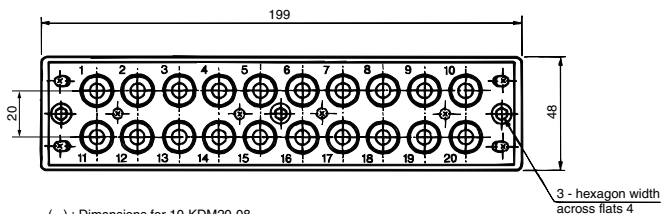
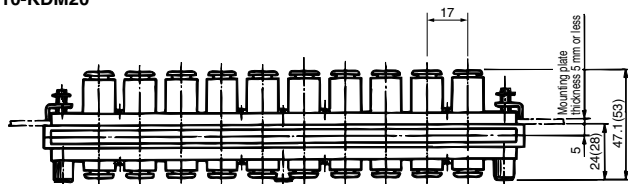


() : Dimensions for 10-KDM10-08.

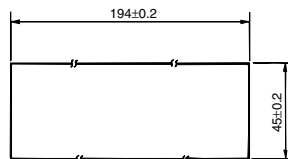


Panel mounting hole

10-KDM20



() : Dimensions for 10-KDM20-08.



Panel mounting hole

Made to Order

Please contact SMC for specifications in detail, dimensions and delivery.

■ Mixed tubing sizes

Please contact SMC when mixed tube size manifolds are required since it is Made to Order.