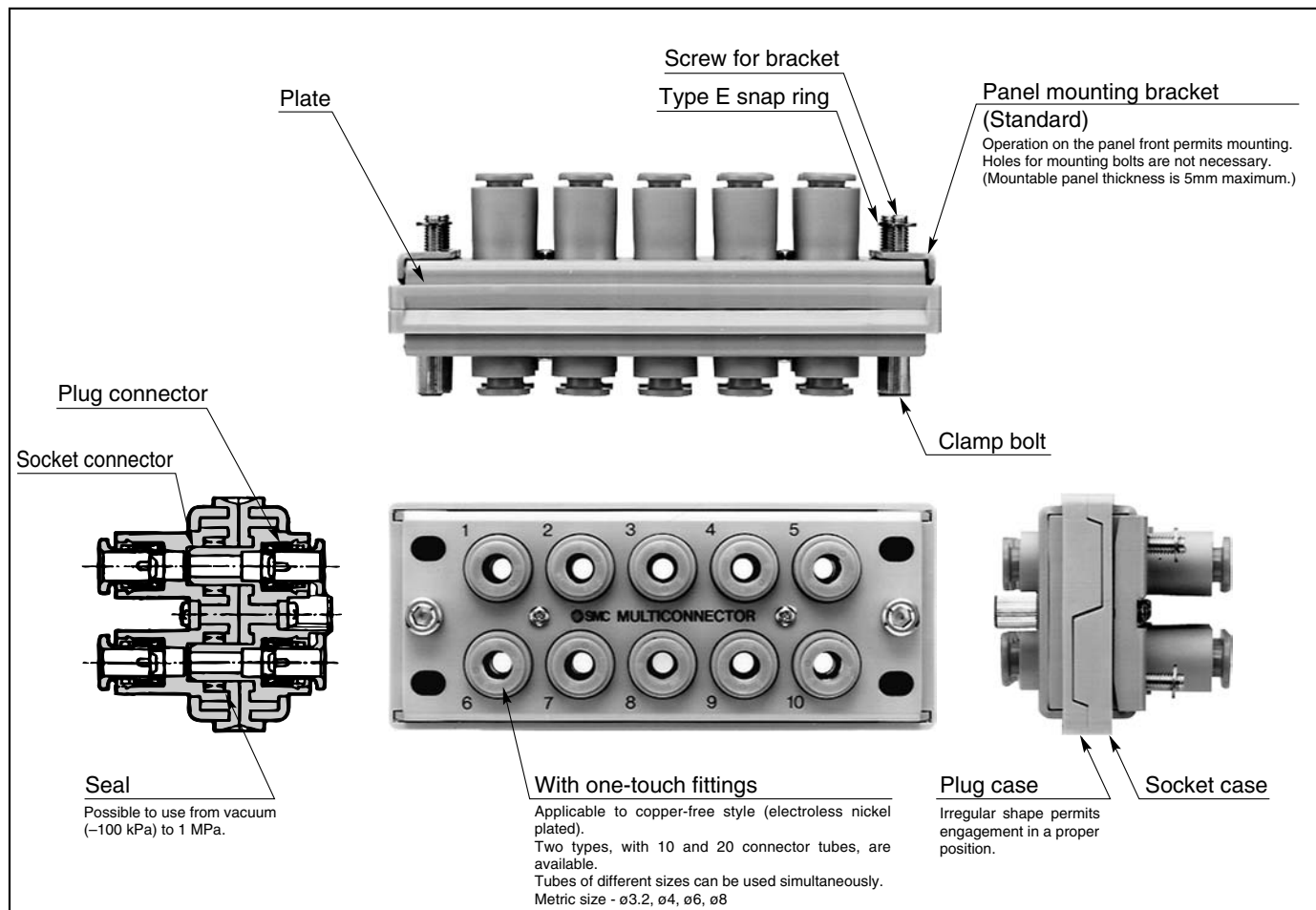


Series 10-KDM

Rectangular multi-connector
No. of connecting tubes: 10, 20



Model

No. of connecting tubes	Tubing O.D.		Model	Weight	Color of release button
10	Metric size	ø3.2	10-KDM10-23	300g	White
		ø4	10-KDM10-04		
		ø6	10-KDM10-06		
		ø8	10-KDM10-08	520g	
20	Metric size	ø3.2	10-KDM20-23	520g	White
		ø4	10-KDM20-04		
		ø6	10-KDM20-06		
		ø8	10-KDM20-08	950g	

Applicable tubing material

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

Specifications

Fluid	Air
Max. operating pressure	1.0MPa
Operating vacuum pressure	-100kPa
Proof pressure	1.5MPa
Ambient and fluid temperature	-5 to 60°C (no freezing)
Grease	Fluorine grease
Particle generation grade (Please refer to front matters 13 to 22 for details.)	Grade 3

Part No.

No. 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	

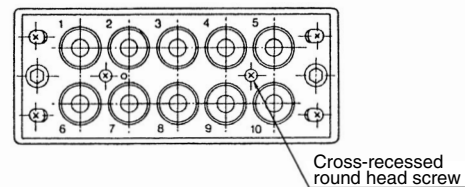
Mixed sizes of plug connectors and socket connectors

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

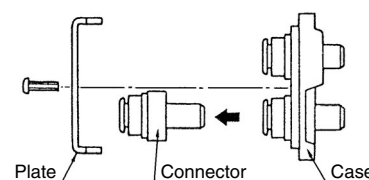
Part No.

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.



Main 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	SUS304
	Guide	C3604BD electroless nickel plated, POM (ø8, ø5/16), SUS304
	Collet, release bushing	POM
	Seal	NBR
Clamp bolt, Screw for bracket, Cross-recessed round head screw		SWRM nickel plated
Type E snap ring		SUS304

⚠ Specific Product Precautions

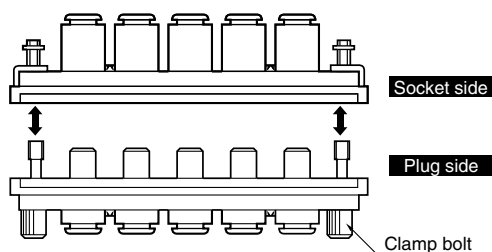
Be sure to read before handling.

How to Use

⚠ Caution

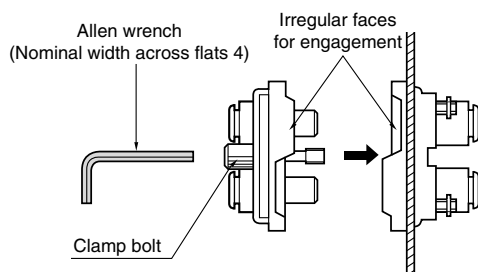
1. Separation

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



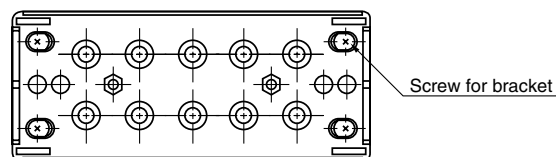
2. Connection

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).

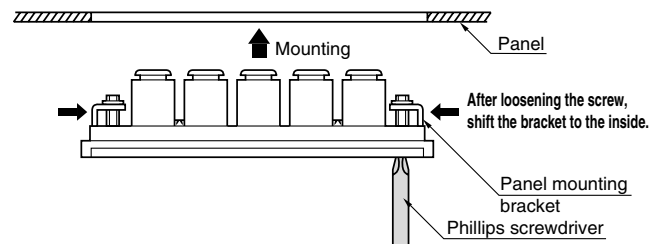


3. Panel mounting

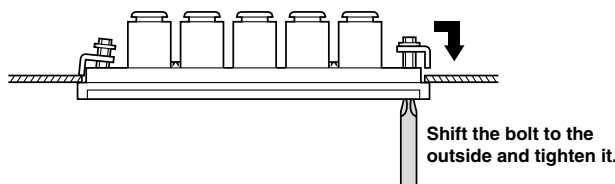
1) Loosen 4 screws for bracket on the socket side using a Phillips screwdriver (JIS nominal No. 2) until the bracket touches the snap ring.



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".)



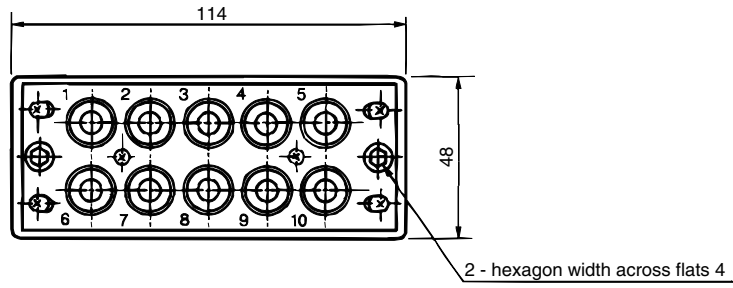
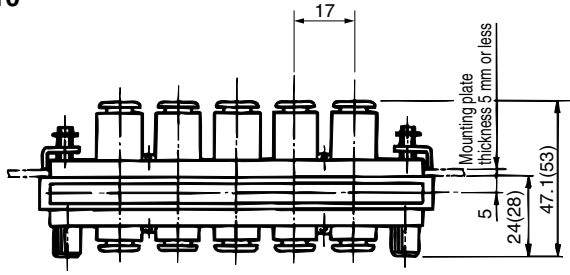
3) After shifting the bolt for bracket to the outside, tighten the bolt by a Phillips screwdriver to fix the socket case.



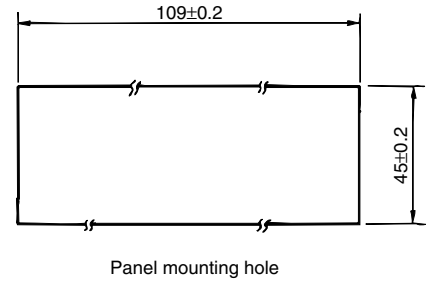
4) Loosen the screw for bracket until the bracket touches the snap ring and shift the bracket to the inside to remove the connector from the panel.

Dimensions

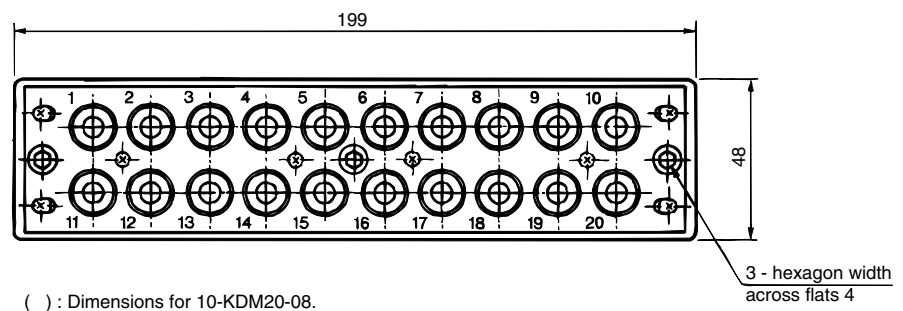
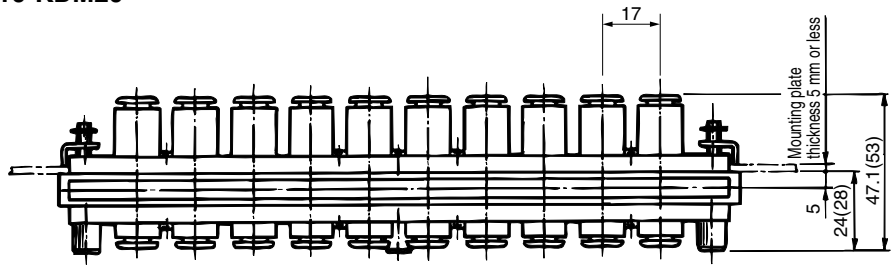
10-KDM10



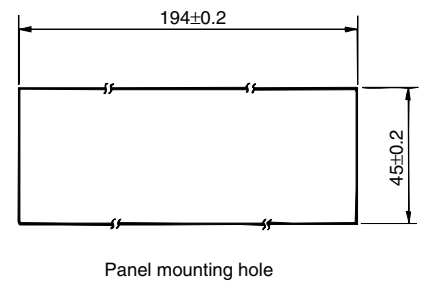
() : Dimensions for 10-KDM10-08.



10-KDM20



() : Dimensions for 10-KDM20-08.



Made to Order

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

■ Mixed tubing sizes

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

- Air cylinder
- Rotary actuator
- Air gripper
- Directional control valve
- Flow control equipment
- Filter, Pressure control equipment
- Fittings & Tubing
- Air preparation equipment
- Pressure switch
- Clean gas filter