



Special Documentation

Cable gland JPN-Ex

Ex db IIC Gb
Ex eb IIC Gb
Ex ta IIIC Da IP66



A0045250

- Type: SFLU 10 - M / SFLU 20 - M / SFLU 30 - M
- Machine connecting screws: M20P1.5 / M25P1.5 / M32P1.5
- Packing material: CR
- O-ring material: NBR

Precautions for use

1. This product may be connected to Ex devices for use in Zone 1 and Zone 2 (dust is Zone 0).
2. Do not attempt to alter or repair this product. Doing so may impair explosion proof performance.
3. The cable gland is for use in temperatures ranging from -40 to +70 °C.
4. Damage to external threads may impair explosion proof performance. Handle with care.
5. If packing is deformed or damaged, exchange for an undamaged item.

Installation instructions (see diagram below)

1. After confirming that specs/size match for the Ex device (female thread) [11] and external body thread [10], screw the external body thread into the Ex device.
2. Once the O-ring [1] is in contact with the Ex device face, tighten the body [3] 1/3 turn and then tighten the lock nut [2] using a tool.
 - ↳ Appropriate tightening torque for lock nut: [SFLU10-M: 40 N · m], [SFLU20/30-M: 50 N · m]
3. The applicable cable outer diameter is embossed on the edge face of the packing [9]. After confirming the applicable range, pass a cable [6] with the appropriate outer diameter through the cover [5], coupling [7], gland [8], guide ring [4], packing [9] and body [3]. Use the chart below to select packing internal diameter and cable external diameter (the guide ring is shared for each packing internal diameter).



When using a packing with internal diameter that differs from that of the packing inserted into the cable gland at the time of shipping, remove the certification nameplate seal for the packing used and affix it to the body [3].

Model : SFLU10-M

Packing symbol and inner diameter (mm)		Outer diameter for applicable cable
F	Inner diameter	
F1	Ø12	$11 \leq d \leq 12$
F2	Ø11	$10 \leq d \leq 11$
F3	Ø10	$9 \leq d \leq 10$
F4	Ø9	$8 \leq d \leq 9$
F5	Ø8	$7 \leq d \leq 8$
F6	Ø7	$6 \leq d \leq 7$

Model : SFLU20-M

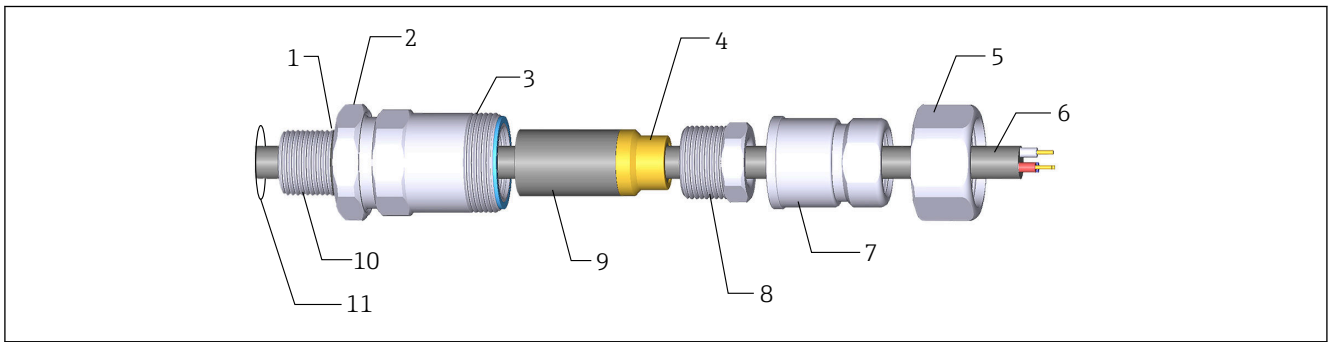
Packing symbol and inner diameter		Outer diameter for applicable cable
F	Inner diameter	
F1	Ø16	$15 \leq d \leq 16$
F2	Ø15	$14 \leq d \leq 15$
F3	Ø14	$13 \leq d \leq 14$
F4	Ø13	$12 \leq d \leq 13$
F5	Ø12	$11 \leq d \leq 12$
F6	Ø11	$10 \leq d \leq 11$

Model : SFLU30-M

Packing symbol and inner diameter		Outer diameter for applicable cable
F	Inner diameter	
F1	Ø20	$19 \leq d \leq 20$
F2	Ø19	$18 \leq d \leq 19$
F3	Ø18	$17 \leq d \leq 18$
F4	Ø17	$16 \leq d \leq 17$
F5	Ø16	$15 \leq d \leq 16$
F6	Ø15	$14 \leq d \leq 15$

If cable terminals are difficult to process from within the Ex device, cut to the appropriate length before wiring.

4. Use a torque wrench to screw the gland [8] into the body [3] to the appropriate torque and compress the packing [9].
 - ↳ Appropriate tightening torque for packing: [SFLU10/20-M: 30 N · m], [SFLU30-M: 40 N · m]
5. After confirming that specs/size match for the wire protection tube external threads and coupling [7] female threads, screw in the tube.
 - ↳ Coupling female thread size: [SFLU10-M: G1/2 / SFLU20-M: G3/4 / SFLU30-M: G1]
6. Connect the cover [5] and coupling [7] to the body [3], and tighten the cover [5] using a tool.
7. Finally, confirm that the cable gland and protection tube are firmly attached, with no slack.



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1 Cable gland

- 1 O-ring (NBR)
- 2 Lock nut (BS)
- 3 Body (BS)
- 4 Guide ring
- 5 Cover
- 6 Cable
- 7 Coupling (BS)
- 8 Gland (BS)
- 9 Packing
- 10 External body thread
- 11 Ex device (Female thread)
