

U87. UNI EMC cable gland UNI HF DICHT

Brass nickel-plated, with metric connecting thread EN 60 423
Protective system: IP 68 up to 10 bar

Materials

Gland:	Brass, nickel plated	
Sealing insert:	PVC, Colour: UNI Colour code (CC)	-20 °C up to +105 °C
	LSR, Colour: transparent (on request)	-60 °C up to +200 °C
	TPE-V, Colour natur	-40 °C up to +135 °C
Cones:	Brass, nickel plated	
EMV-Spring:	UNI IRIS®, Stainless steel	
Connecting thread sealing ring:	NBR buna N, part of order with brass gland temperature range: -30 °C up to +110 °C	

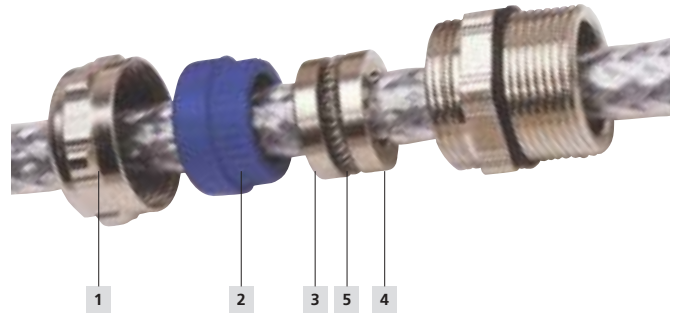


Fig. 1

Application:

UNI HF DICHT cable glands are used to insert a shielded line or cable into a connection space or housing. This cable gland employs standard components from the UNI DICHT system. It is suitable for application in confined spaces, since in height and external diameter it is designed smaller than UNI IRIS® EMC DICHT cable glands.

The functional principle: (see Fig. 1)

When the pressure screw **1** is tightened up, the sealing insert **2** presses on two cones **3 + 4**, between which the annular spiral spring (UNI IRIS® spring) **5** is located. This spring ring thus tapers in its diameter and is pressed onto the previously stripped, bare line screen. The screen braid is bonded around its entire circumference (360°).

There is a low-ohm live connection between the screen – UNI IRIS® spring gland body and housing. Two different fitting variants can be implemented depending on the external cable and screen diameters.

Please note:

The UNI IRIS® spring is double-welded and must be tested for suitability with higher power loads. The alternative is bonding with a pair of cones.

Variant A

Stripped external jacket

(Fig. 2, see Page 43)

The cable's external jacket must be removed so far from the end of the cable that UNI IRIS® spring comes to lie on the bare screen. In its final position, the sealing insert should lie completely on the external jacket in its full length.

Variant B

Continuous external jacket

(Fig. 3, see Page 43)

The external jacket is only removed at that point in the form of a ring where the final position of the UNI IRIS® spring is located in the cable gland. The external jacket is maintained right up to this point. The cable gland comes in two different shapes and with two varying connecting threads in the standard length or in 15 mm (on request).

Connecting thread / connecting thread length:

M thread EN 60 423 / DIN 46 319

Pg thread DIN 46 320 / DIN 46 320
15 mm on request

Benefit of this gland:

Reduced fitting time and continuous screen braid with low transition resistance.



You will find EMC executions and variants in the UNI EMC Catalogue (30 pages) as well as on www.pflitsch.de

U87. UNI EMC-Cable gland UNI HF DICHT

Brass nickel plated,
metric connecting thread EN 60 423.
Type of protection: IP 68 up to 10 bar

Sealing inserts

Material	Temperature range	Art.-No. supplement
Standard: PVC	-20 °C up to +105 °C	-
Variant: LSR	-60 °C up to +200 °C	i (on request)
TPE-V	-40 °C up to +135 °C	p

Gland body

Material	Execution	Art.-No. supplement
Brass	galv. nickel plated	-



Fig. 1



UNI EMC and UNI HF only delivered as a complete gland

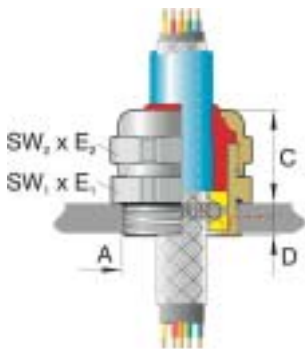


Fig. 2 Variant A

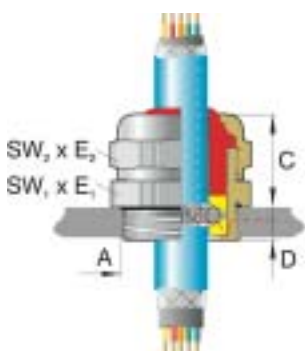


Fig. 3 Variant B



Connecting thread/length		Art.-No. Please supplement with the execution required	Sealing range max./min. ø	Screen - ø max./min.	Variant	C	Spanner-width SW ₁ x E ₁ / SW ₂ x E ₂		
A	D						mm	mm	
M16x1,5	6	21650	06S00	6,5 - 4,0	4,5 - 1,5	A	20	18x20/17x18,9	50
		21650	09S01	9,5 - 6,5	6,0 - 2,2	A			
M20x1,5	6	22051	07S01	6,5 - 4,0	6,5 - 2,5	B	20	22x24,4/20x22,2	50
		22051	09S03	9,5 - 6,5	8,5 - 3,5	A			
		22051	11S03	10,5 - 7,0	8,5 - 3,5	A			
	6,5	22052	09S02	9,5 - 6,5	6,5 - 3,2	A	21	22x24,4	50
		22052	11S04	10,5 - 7,0	8,0 - 3,5	A			
		22052	11S05	10,5 - 7,0	10,5 - 6,5	B			
M25x1,5	7,5	22553	09S03	9,5 - 6,5	8,0 - 3,0	A	21	28x31,2/24x26,7	25
		22553	11S04	10,5 - 7,0	8,0 - 4,8	A			
		22553	13S04	13,0 - 9,0	8,0 - 4,8	A			
		22553	13S05	13,0 - 9,0	10,5 - 6,5	A			
M32x1,5	8	23254	13S05	13,0 - 9,0	9,5 - 4,5	A	25	35x38,5/30x33,5	25
		23254	13S07	13,0 - 9,0	12,0 - 7,0	B			
		23254	16S08	15,5 - 11,5	13,5 - 8,0	A			
		23254	18S09	18,0 - 14,0	14,5 - 9,0	A			
M40x1,5	8	24055	18S10	18,0 - 14,0	17,0 - 13,0	A	27	43x47,3/40x43,5	5
		24055	20S18	20,5 - 17,0	18,0 - 13,0	A			
		24055	20S19	20,5 - 17,0	20,0 - 15,0	B			
		24055	25S19	25,0 - 20,0	20,0 - 15,0	A			
M50x1,5	10	25056	28S13	28,0 - 24,0	25,0 - 18,5	A	28	54x58/50x54	5
		25056	32S15	32,0 - 27,0	30,5 - 24,0	B			
		25056	34S15	33,0 - 29,0	30,5 - 24,0	A			
		25056	38S15	36,0 - 32,0	30,5 - 24,0	A			
	10	25057	38S20	38,0 - 34,0	39,0 - 34,0	B	30	57x61	5
		25057	40S20	40,0 - 36,0	39,0 - 34,0	A			
M63x1,5	10	26358	44S21	44,0 - 39,0	38,0 - 33,0	A	30	68x74	5
		26375	51S21	51,0 - 45,0	42,0 - 36,0	A	58	81x87	5
	16	26375	51S22	51,0 - 45,0	48,5 - 42,0	A			
		26375	56S22	56,0 - 51,0	48,5 - 42,0	A			

Variant: Sealing inserts made of TPE-V and LSR for further applications