Ex-e/i Cable Glands

Plastic version for Zone 1, 2, 21 and 22 1 - according to EN 60079-0: 2018

Conform with latest standards

Cable glands with metric screw-in threads are now standard and had replace the PG cable glands that were formally used.

The CEAG plastic cable glands are in accordance with EN 60079-0: 2018 and can be used in Ex-e/Ex-i housings in hazardous areas of the Zones 1, 21, 2 and 22.

Optional and not used cable glands must be closed with certified blanking plugs. The blanking plugs allow for a flexible and cost effective utilization of the explosion-protected appliances. Changes and upgrades can be then easily carried out at a later date.

The outstanding feature of the CEAG cable glands is the large cable connection area.

Degree of protection

A high IP safety standard is achieved with the integrated sealing lip on the screw-in cable entries. Depending on the surface roughness the use of an additional sealing ring may not be necessary. The good mechanical and handling features are achieved by using a modified Polyamide material and a optimized tooling area.



Features

- **Large cable connection area**
- **Same wrench tool for both hexagons**
- **Conform accd. to latest EN 60079-0:2018**
- **Safety standard IP66**
- **Optimized tooling area**
- **Trapezoid thread, for a secure hold**



Blanking plug



Cable gland Ex-e



Cable gland Ex-i

Technical data

	Ex e cable glands	
Marking accd. to 2014/34/EU	⟨Ex⟩ II 2 G Ex eb IIC Gb / ⟨Ex⟩ II 2 D Ex tb IIIC Db	
EC-Type Examination Certificate	IMQ 24 ATEX 049 X	
IECEx Certificate of Conformity	IECEx IMQ 24.0007X	
Marking accd. to IECEx	Ex eb IIC Gb / Ex eb IIIC Db	
Permissible ambient temperature		
M16	-20 °C ... +70 °C	Impact resistant 4 Joule
M20 .. M63	-55 °C ... +70 °C	Impact resistant 4 Joule
M20 ... M63	-45 °C ... +70 °C	Impact resistant 7 Joule
Degree of protection accd. to EN 60529	IP 66 IP 68 - 5 Bar; 30 min	
Enclosure material	Polyamide	

	Blanking plug
Marking accd. to 2014/34/EU	⟨Ex⟩ II 2 G Ex eb IIC Gb / ⟨Ex⟩ II 2 D Ex tb IIIC Db
EC-Type Examination Certificate	IMQ 24 ATEX 049 X
IECEx Certificate of Conformity	IECEx IMQ 24.0007X
Marking accd. to IECEx	Ex eb IIC Gb / Ex tb IIIC Db
Permissible ambient temperature	–55 °C ... +70 °C
Degree of protection accd. to EN 60529	IP 66 IP 68 - 5 Bar; 30 min
Enclosure material	Polyamide





Cable gland Ex-e



Cable gland Ex-i



Blanking plug

Ordering details

Thread	Cable Ø mm seal 1+2[1][2]	Seal 1[1][2]	A/F mm	L1 mm	L2 mm	Weight g	BE	Order No.	-20 °C ... +70 °C Impact resistant 4 Joule	-55 °C ... +70 °C Impact resistant 4 Joule	-45 °C ... +70 °C Impact resistant 7 Joule
Ex-e cable gland with short thread accd. to EN 50262 -black											
M16 x 1.5	4.0 ... 6.0	6.0 ... 10.0	22	29.5	10	10.9	20	**GHG 960 1959 R**	**0002**	---	---
M20 x 1.5	6.0 ... 7.5	7.5 ... 11.0	24	30.0	10	14.1	20	**GHG 960 1959 R**	---	**0003**	**0003**
M25 x 1.5	9.0 ... 13.0	13.0 ... 17.0	29	34.0	10	19.8	20	**GHG 960 1959 R**	---	**0004**	---
M25 x 1.5	9.0 ... 13.0	13.0 ... 15.0	29	34.0	10	19.8	20	**GHG 960 1959 R**	---	---	**0009**
M32 x 1.5	12.0 ... 16.0	16.0 ... 21.0	36	42.0	10	33.9	20	**GHG 960 1959 R**	---	**0005**	**0005**
Ex-i cable gland with short thread -blue											
M16 x 1.5	4.0 ... 6.0	6.0 ... 10.0	22	29.5	10	10.9	20	**GHG 960 1959 R**	**0102**	---	---
M20 x 1.5	6.0 ... 7.5	7.5 ... 11.0	24	30.0	10	14.1	20	**GHG 960 1959 R**	---	**0103**	**0103**
M25 x 1.5	9.0 ... 13.0	13.0 ... 17.0	29	34.0	10	19.8	20	**GHG 960 1959 R**	---	**0104**	---
M25 x 1.5	9.0 ... 13.0	13.0 ... 15.0	29	34.0	10	19.8	20	**GHG 960 1959 R**	---	---	**0109**
M32 x 1.5	12.0 ... 16.0	16.0 ... 21.0	36	42.0	10	33.9	20	**GHG 960 1959 R**	---	**0105**	**0105**
Ex-e cable gland with long thread accd. to EN 50262 -black											
M16 x 1.5	4.0 ... 6.0	6.0 ... 10.0	22	29.5	15	10.9	20	**GHG 960 1959 R**	**0022**	---	---
M20 x 1.5	6.0 ... 7.5	7.5 ... 11.0	24	30.0	15	14.1	20	**GHG 960 1959 R**	---	**0023**	**0023**
M25 x 1.5	9.0 ... 13.0	13.0 ... 17.0	29	34.0	15	19.8	20	**GHG 960 1959 R**	---	**0024**	---
M25 x 1.5	9.0 ... 13.0	13.0 ... 15.0	29	34.0	15	19.8	20	**GHG 960 1959 R**	---	---	**0029**
M32 x 1.5	12.0 ... 16.0	16.0 ... 21.0	36	42.0	15	33.9	20	**GHG 960 1959 R**	---	**0025**	**0025**
M40 x 1.5	17.0 ... 21.0	21.0 ... 28.0	46	46.0	15	59.2	10	**GHG 960 1959 R**	---	**0026**	**0026**
M50 x 1.5	22.0 ... 31.0	31.0 ... 38.0	60	54.0	18	110.1	10	**GHG 960 1959 R**	---	**0027**	**0027**
M63 x 1.5	28.0 ... 35.0	35.0 ... 44.0	65	54.0	18	122.2	5	**GHG 960 1959 R**	---	**0028**	**0028**
Ex-i cable gland with long thread -blue											
M16 x 1.5	4.0 ... 6.0	6.0 ... 10.0	22	29.5	15	10.9	20	**GHG 960 1959 R**	**0122**	---	---
M20 x 1.5	6.0 ... 7.5	7.5 ... 11.0	24	30.0	15	14.1	20	**GHG 960 1959 R**	---	**0123**	**0123**
M25 x 1.5	9.0 ... 13.0	13.0 ... 17.0	29	34.0	15	19.8	20	**GHG 960 1959 R**	---	**0124**	---
M25 x 1.5	9.0 ... 13.0	13.0 ... 15.0	29	34.0	15	19.8	20	**GHG 960 1959 R**	---	---	**0129**
M32 x 1.5	12.0 ... 16.0	16.0 ... 21.0	36	42.0	15	33.9	20	**GHG 960 1959 R**	---	**0125**	**0125**
M40 x 1.5	17.0 ... 21.0	21.0 ... 28.0	46	46.0	15	59.2	10	**GHG 960 1959 R**	---	**0126**	**0126**
M50 x 1.5	22.0 ... 31.0	31.0 ... 38.0	60	54.0	18	110.1	10	**GHG 960 1959 R**	---	**0127**	**0127**
M63 x 1.5	28.0 ... 35.0	35.0 ... 44.0	65	72.0	18	122.2	5	**GHG 960 1959 R**	---	**0128**	**0128**

Example for Order number:

M25; Cable gland with long thread accd.to EN 50262;
Ex-e (black); Temperature range up to-45 °C;
with increased risk due to external mechanical influences => **GHG 960 1959 R 0029**

[1] The tests of clamping ranges and torque values were performed with metal mandrel. The clamping range can vary by using cables with different manufacturing tolerances and material properties. Please use the combination of sealing 1 + 2 for the intermediate region.
[2] When selecting the seal rubber, ensure that the cap nut can be tightened when carrying out any future maintenance work on the cable entry.



Blanking plug



Cable gland Ex-i

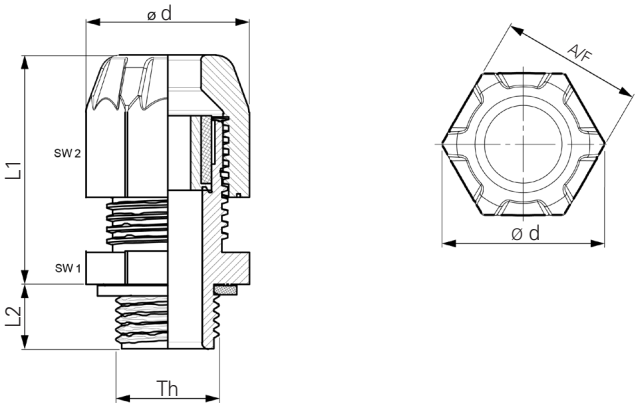


Cable gland Ex-e

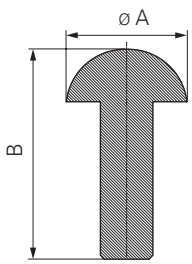
Ordering details

Thread	B mm	Ø A mm	Weight g	BE	Order No. (–55 °C ... +70 °C)
Blanking plug for cable glands					
M16	20.7	7.0	4	20	**GHG 960 1948 R0002**
M20	20.7	8.5	5	20	**GHG 960 1948 R0003**
M25	21.5	11.0	5	20	**GHG 960 1948 R0004**
M32	24.5	14.0	8	20	**GHG 960 1948 R0005**
M40	25.0	20.0	10	10	**GHG 960 1948 R0006**
M50	32.1	26.0	33	10	**GHG 960 1948 R0007**
M63	38.5	34.0	108	5	**GHG 960 1948 R0008**

Dimension drawing



Cable gland



Blanking plug

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