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#### **MARKINGS**

Product marking for CRX, CRXC, CRXF, CRXM series				
Group II, III C€0722 <b>⑤</b>	Ex eb IIC Gb; Ex tb IIIC Db IP66 Ta -60°C to +130°C CESI 21 ATEX 031 X IECEX CES 22.0009X			

Product marking for VOLE..., VOLEC..., VOLEF..., VOLEM... series CESI 21 ATEX 031 X IECEx CES 22.0009X

#### **APPLICABLE STANDARDS**

DIRECTIVE 2014/34/EU	EN/IEC 60079-7
EN/IEC 60079-0	EN/IEC 60079-31
	" EN/IEC 60529

## SAFETY INSTRUCTIONS

- \* Changes to products are not allowed.
- Only BIMED spare parts must be used.
- \* Everyday and extraordinary maintenance operations must be

carried out only by qualified personnel after approval from expert technicians.

\*Cable glands are only suitable for fixed installations.

Cables shall be effectively clamped to prevent pulling or twisting. The cable glands can be used with Ex i intrinsically safe circuits.

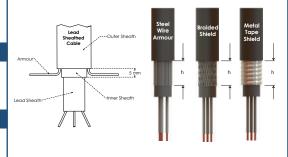
\* The cable gland installation shall be done according to safety

manufacturer instructions to maintain degree of protection.

\*The end user shall ensure that the surface finish of the enclosure is smooth enough to obtain the required IP rating.

\* It is recommended for enclosure entries to be perpendicular, circular and free of burrs.

\* For non threaded enclosure applications, the end user shall respect the recommended hole diameters mentioned in the mounting instruction. Please refer to the figure below, for details about the preperation of steel wire armour, braided and metal tape shielded cables for fitting into the cable gland.



CABLE GLAND SIZE	M12, M165, M16, M20S, M20, M25S, M25, M32S, M32, M40S	M40, M505, M50, M63S, M63, M75S, M75, M80S, M90S	M80, M90, M100S, M100
CABLE STRIP LENGTH "h"	20 mm	25 mm	32 mm

Rev. 0

## IP PROTECTION for NON-THREADED HOLE



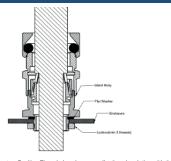


## **TORQUE TABLE**



 $\langle E_{\rm X} \rangle$ 

## **EU DECLARATION OF CONFORMITY**



Recommended Hole Diameters For Non Threaded enclosure applications in relation with the used thread types are shown below

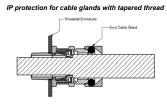
Ø138.5 - 138.8

G 2 1/2"

METRIC THREADS			
THREADS	HOLE DIAMETER (min-max mm)		
M12 x 1.5	Ø12.0-12.5		
M16 x 1.5	Ø16.0-16.5		
M20 x 1.5	Ø20.0-20.5		
M25 x 1.5	Ø25.0-25.5		
M32 x 1.5	Ø32.0-32.5		
M40 x 1.5	Ø40.0-40.5		
M50 x 1.5	Ø50.0-50.5		
M63 x 1.5	Ø63.0-63.5		
M75 x 1.5	Ø75.0-75.5		
M80 x 1.5	Ø80.0-80.5		
M90 x 1.5	Ø90.0-90.5		
M100 x 1.5	Ø100.0-100.5		
M110 x 1.5	Ø110.0-110.5		
M115 x 1.5	Ø115.0-115.5		

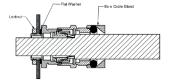
G THREADS(GAS ISO 228/1) HOLF DIAMETER HOLF DIAMETER HREAD! (min-max mm) (min-max mm) Ø16.6 - 16.8 Ø12.5 - 12.7 Ø21.0 - 21.2 PG 9 Ø15.2 - 15.4 G 3/4" Ø26.4 - 26.6 PG 11 Ø18.6 - 18.8 Ø33.3 - 33.6 PG 13.5 Ø20.4 - 20.6 Ø41.9 - 42.2 PG 21 Ø28.3 - 28.5 Ø47.8 - 48.1 PG 29 Ø37.0 - 37.3 Ø59.6 - 59.9 PG 36 Ø47.0 - 47.3 Ø75.2 - 75.5 PG 42 Ø54.0 - 54.3 Ø87.9 - 88.2 Ø100.4 - 100.7 Ø113.1 - 113.4

## IP PROTECTION for THREADED HOLE



Ingress Protection: In order to guarantee the specified IP66/68 rating, sealant agent shall be applied on at least two full threads before fitting the gland to the box. In any case you must pay attention to guarantee the metallic

#### IP protection mode for cable glands with cylindrical thread



ction: In order to guarantee the specified IP66/68 rating, it is recommended to use flat washer betwee

> Assembling on Ex eb or Ex to enclosures: You have to respect a minimum wall thickness of 1.5.

## Torque table for cable gland models

VOLE..., VOLEC..., VOLEF..., VOLEM....

Torque of cable Clamping glands [ Nm ] Range SW2 SW3 Min.-Max 15 15 20 20 20 20

5.5-12.0 9,0-16,0 12,0-20,0 20 16,0-26,0 20 20,0-33,0 25 25 29,0-41,0 50 50 36,0-52,0 55 55 50,0-65,0 100 100 61,0-78,0 125 125 200 200 75,0-89,0 75,0-89,0 200 200 88,0-104,0 270 270 CRX..., CRXC..., CRXF..., CRXM....

Clamping Range	Torque of cable glands [ Nm ]
MinMax.	SW2
3,0-8,0	5
5,5-12,0	10
12,0-20,0	20
16,0-26,0	25
20,0-33,0	30
29,0-41,0	35
36,0-52,0	40
50,0-65,0	50
61,0-78,0	50
75,0-89,0	65
88,0-104,0	70

bimed S.S. Bakır Pirinç Sanayi Sitesi Leylak Cad. No:16 34524 Beylikdüzü/ İstanbul TURKEY Tel. +90 212 8757376 Fax. +90 212 8750823 declares that the products designed to be placed on the market for use in the explosiv

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Cable Gland Types; VOLE..., VOLEC..., VOLEF..., VOLEM... (III 2GD; Ex eb IIC Gb; Ex tb IIIC Db IP66

Cable Gland Types CRX..., CRXC..., CRXF..., CRXM..

Protection Type GHI 2GD; Ex eb IIC Gb; Ex tb IIIC Db IP66/68

EU Directive: ATEX 2014/34/EU The harmonized standards applied

FACSIMILE

Istanbul, 11.10.2021



