



中国国家强制性产品认证证书

证书编号: 2021312313000344

认证委托人名称及地址

Pepperl+Fuchs SE
Lilienthalstrasse 200 68307 Mannheim, Germany

生产者名称及地址

Pepperl+Fuchs SE
Lilienthalstrasse 200 68307 Mannheim, Germany

生产企业名称及地址

Bimed Teknik Aletler Sanayi Ve Ticaret A. S.
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No:28 İç Kapı No:1,
Arnavutköy/ İstanbul, Turkey

产品名称和系列、型号、规格

电缆引入装置

CG. NA. xx. x. x. x, CG. CO. xx. x. x. x, CG. EM. xx. x. x. x

Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db

产品标准和技术要求

GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

上述产品符合《强制性产品认证实施规则 防爆电气》
(CNCA-C23-01: 2024) 的要求, 特发此证。

发证日期: 2026年04月21日 有效期至: 2031年04月23日

证书信息和有效性可扫描下方二维码或登录发证机构网站查验,
也可在认监委网站 (www.cnca.gov.cn) 查询。



法定代表人:

南阳防爆电气研究所有限公司



中国国家强制性产品认证证书

证书编号：2021312313000344

证书附页：第 1 页 共 8 页

产品相关信息：

1、本证书覆盖产品如下：

-CG. NA. xx. x. x. x, CG. CO. xx. x. x. x, CG. EM. xx. x. x. x

CG. NA. xx. x. x. x 适用于非铠装弹性和塑料绝缘电缆。

CG. CO. xx. x. x. x 适用于被柔性金属导管保护的非铠装电缆。

CG. EM. xx. x. x. x 适用于屏蔽电缆，通过内部屏蔽环给带屏蔽层的电缆提供 EMC 保护。

具体规格请见下表：

CG. NA	.	x	x	.	x	.	x	.	x
CG. EM	.	x	x	.	x	.	x	.	x
CG. CO	.	x	x	.	x	.	x	.	x
	.	1	2	.	3	.	4	.	5

1	螺纹类型： N PT N P T M 公制，螺距1.5mm 2 M 公制，螺距2mm
2	尺寸
3	材质： B N 黄铜镀镍 S S 不锈钢
4	密封圈材质： C 氯丁二烯 S 硅橡胶
5	最小螺纹长度 (mm)

CG. NA. xx. x. x. x 系列规格：

型号	螺纹尺寸	最小-最大 夹紧范围 Ø [mm]	S1+S2+S3 三层密封 圈	S1+S2 双 层密封圈	S1 单层 密封圈	扭矩 S1+S2+S 3 [Nm]	扭矩 S1+S 2 [Nm]	扭矩 S1 [Nm]
CG. NA. M8	M8× 1.25	2-4	-	-	2-4	-	-	4
CG. NA. M12	M12× 1.5	4-8	4-6	6-8	-	20	18	-

本页为证书附页，应与证书主页同时使用。



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CG. NA. M12L	M12× 1.5	3-8	-	3-6	6-8	-	25	18
CG. NA. M16S	M16× 1.5	3-9	-	3-6	6-9	-	25	18
CG. NA. M16	M16× 1.5	4-12	4-6	6-9	9-12	20	18	16
CG. NA. M20XS	M20× 1.5	3-9	-	3-6	6-9	-	25	18
CG. NA. M20S	M20× 1.5	4-12	4-6	6-9	9-12	20	18	16
CG. NA. M20	M20× 1.5	10-16	10-12	12-14.5	14.5-16	25	22	18
CG. NA. M25XS	M25× 1.5	4-12	4-6	6-9	9-12	20	18	16
CG. NA. M25S	M25× 1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. NA. M25	M25× 1.5	14-20	14-17	17-20	-	28	23	-
CG. NA. M32XS	M32× 1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. NA. M32S	M32× 1.5	14-24	14-17	17-20	20-24	28	23	20
CG. NA. M32	M32× 1.5	22-28	22-24	24-27	27-28	56	50	35
CG. NA. M40XS	M40× 1.5	14-24	14-17	17-20	20-24	28	23	20
CG. NA. M40S	M40× 1.5	22-32	22-24	24-27	27-32	56	50	45
CG. NA. M40	M40× 1.5	26-34	26-28	28-31	31-34	57	55	52
CG. NA. M50XS	M50× 1.5	22-32	22-24	24-27	27-32	56	50	45
CG. NA. M50S	M50× 1.5	26-35	26-28	28-31	31-35	57	55	52
CG. NA. M50	M50× 1.5	35-44	35-38	38-41	41-44	190	155	140
CG. NA. M63XS	M63× 1.5	26-35	26-28	28-31	31-35	57	55	52
CG. NA. 2M63S	M63×2	26-35	26-28	28-31	31-35	57	55	52
CG. NA. M63S	M63× 1.5	35-45	35-38	38-41	41-45	190	155	140

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CG. NA. 2M63	M63×2	35-45	35-38	38-41	41-45	190	155	140
CG. NA. M63A	M63× 1.5	42-56	42-48	48-52	52-56	130	145	135
CG. NA. 2M63L	M63×2	42-56	42-48	48-52	52-56	130	145	135
CG. NA. M63	M63× 1.5	46-56	46-48	48-52	52-56	160	145	135
CG. NA. 2M63XL	M63×2	46-56	46-48	48-52	52-45	160	145	135
CG. NA. M75XS	M75× 1.5	35-45	35-38	38-41	41-45	190	155	140
CG. NA. 2M75S	M75×2	35-45	35-38	38-41	41-45	190	155	140
CG. NA. M75S	M75× 1.5	46-62	46-51	51-56	56-62	185	175	150
CG. NA. 2M75	M75×2	46-62	46-51	51-56	56-62	185	175	150
CG. NA. M75	M75× 1.5	60-69	60-65	65-69	-	123	118	-
CG. NA. 2M75L	M75×2	60-69	60-65	65-69	-	123	118	-
CG. NA. M80	M80× 1.5	60-71	60-65	65-70	70-71	123	118	110
CG. NA. 2M80	M80×2	60-71	60-65	65-70	70-71	123	118	110
CG. NA. M90XS	M90× 1.5	46-62	46-51	51-56	56-62	185	175	150
CG. NA. 2M90S	M90×2	46-62	46-51	51-56	56-62	185	175	150
CG. NA. M90S	M90× 1.5	60-75	60-65	65-70	70-75	123	118	110
CG. NA. 2M90	M90×2	60-75	60-65	65-70	70-75	123	118	110
CG. NA. M90	M90× 1.5	75-82	75-78	78-81	81-82	135	130	125
CG. NA. 2M90L	M90×2	75-82	75-78	78-81	81-82	135	130	125
CG. NA. M100XS	M100× 1.5	60-75	60-65	65-70	70-75	123	118	110
CG. NA. 2M100S	M100×2	60-75	60-65	65-70	70-75	123	118	110
CG. NA. M100S	M100× 1.5	75-85	75-78	78-81	81-85	135	130	125
CG. NA. 2M100	M100×2	75-85	75-78	78-81	81-85	135	175	125
CG. NA. M110	M110× 1.5	85-95	85-88	88-91	91-95	180	175	170
CG. NA. 2M110	M110×2	85-95	85-88	88-91	91-95	180	175	170
CG. NA. M115S	M115×2	75-85	75-78	78-81	81-85	135	130	125
CG. NA. M115	M115×2	85-95	85-88	88-91	91-95	180	175	170

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CG. NA. M115L	M115×2	95-105	95-98	98-101	101-105	450	450	450
CG. NA. M130	M115×2	105-115	105-108	108-111	111-115	526	500	535

型号	最小-最大 夹紧范围 Ø [mm]	S1+S2+S3 三层密封 圈	S1+S2 双 层密封圈	S1 单 层密封 圈	扭矩 S1+S2+S 3 [Nm]	扭矩 S1+S2 [Nm]	扭矩 S1 [Nm]
CG. NA. NPT1/4	4-8	4-6	6-8	-	20	18	-
CG. NA. NPT1/4L3-9	3-8	-	3-6	6-8	-	25	18
CG. NA. NPT3/8S	3-9	-	3-6	6-9	-	25	18
CG. NA. NPT3/8	4-12	4-6	6-9	9-12	20	18	16
CG. NA. NPT1/2XS	3-9	-	3-6	6-9	-	25	18
CG. NA. NPT1/2S	4-12	4-6	6-9	9-12	20	18	16
CG. NA. NPT1/2	10-16	10-12	12-14.5	14.5-16	25	22	18
CG. NA. NPT3/4XS	4-12	4-6	6-9	9-12	20	18	16
CG. NA. NPT3/4S	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. NA. NPT3/4	14-20	14-17	17-20	-	28	23	-
CG. NA. NPT1XS	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. NA. NPT1S	14-24	14-17	17-20	20-24	28	23	20
CG. NA. NPT1	22-26	22-24	24-26	-	56	50	-
CG. NA. NPT1-1/4XS	14-24	14-17	17-20	20-24	28	23	20
CG. NA. NPT1-1/4S	22-32	22-24	24-27	27-32	56	50	45
CG. NA. NPT1-1/4	26-34	26-28	28-31	31-34	57	55	52
CG. NA. NPT1-1/2XS	22-32	22-24	24-27	27-32	56	50	45
CG. NA. NPT1-1/2S	26-35	26-28	28-31	31-35	57	55	52
CG. NA. NPT1-1/2	35-41	35-38	38-41	-	190	155	-
CG. NA. NPT2XS	26-35	26-28	28-31	31-35	57	55	52
CG. NA. NPT2S	35-45	35-38	38-41	41-45	190	155	140
CG. NA. NPT2A	42-52	42-48	48-52	-	-	-	-
CG. NA. NPT2	46-52	46-48	48-52	-	160	145	-
CG. NA. NPT2-1/2XS	35-45	35-38	38-41	41-45	190	155	140
CG. NA. NPT2-1/2	46-62	46-51	51-56	56-62	185	175	150

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S							
CG. NA. NPT2-1/2	60-64	60-64	-	-	123	-	-
CG. NA. NPT3XS	46-62	46-51	51-56	56-62	185	175	150
CG. NA. NPT3S	60-75	60-65	65-70	70-75	123	118	110
CG. NA. NPT3	75-79.5	75-78	78-79.5	-	135	130	-
CG. NA. NPT4XS	60-75	60-65	65-70	70-75	123	118	110
CG. NA. NPT4S	75-85	75-78	78-81	81-85	135	130	125
CG. NA. NPT4	85-95	85-88	88-91	91-95	180	175	170
CG. NA. NPT4L	95-101	95-98	98-101	-	450	450	-
CG. NA. NPT5	95-105	95-98	98-101	101-105	450	450	450
CG. NA. NPT5L	105-115	105-108	108-111	111-115	52	500	535

Type CG. EM. xx. x. x. x 系列规格：

型号	螺纹尺寸	最小-最大夹 紧范围 Ø [mm]	S1+S2+S3 三层密封 圈	S1+S2 双 层密封圈	S1 单层 密封圈	扭矩 S1+S2+S 3 [Nm]	扭矩 S1+S 2 [Nm]	扭矩 S1 [Nm]
CG. EM. M16S	M16× 1.5	4-8	-	4-6	6-8	-	25	18
CG. EM. M16	M16× 1.5	4-8	-	4-6	6-8	-	25	18
CG. EM. M20	M20× 1.5	4-12	4-6	6-9	9-12	20	18	16
CG. EM. M25	M25× 1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. EM. M32	M32× 1.5	14-24	14-17	17-20	20-24	28	23	20
CG. EM. M40	M40× 1.5	22-32	22-24	24-27	27-32	56	50	45
CG. EM. M50	M50× 1.5	26-35	26-28	28-31	31-35	57	55	52
CG. EM. M63	M63× 1.5	35-45	35-38	38-41	41-45	190	155	140
CG. EM. 2M63	M63×2	35-45	35-38	38-41	41-45	190	155	140
CG. EM. M75	M75× 1.5	46-62	46-51	51-56	56-62	185	175	150
CG. EM. 2M75	M75×2	46-62	46-51	51-56	56-62	185	175	150

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CG. EM. M90	M90×1.5	60-75	60-65	65-70	70-75	123	118	110
CG. EM. 2M90	M90×2	60-75	60-65	65-70	70-75	123	118	110
CG. EM. M100	M100×1.5	75-85	75-78	78-81	81-85	135	130	125
CG. EM. 2M100	M100×2	75-85	75-78	78-81	81-85	135	130	125
CG. EM. M110	M110×1.5	85-95	85-88	88-91	91-95	180	175	170
CG. EM. 2M110	M110×2	85-95	85-88	88-91	91-95	180	175	170

型号	螺纹尺寸	最小-最大夹紧范围 Ø [mm]	S1+S2+S3 三层密封圈	S1+S2 双 层密封圈	S1 单层 密封	扭矩 S1+S2+S3 3 [Nm]	扭矩 S1+S2 2 [Nm]	扭矩 S1 [Nm]
CG. EM. NPT3/8S	3/8"	4-8	-	4-6	6-8	-	25	18
CG. EM. NPT3/8	3/8"	4-8	-	4-6	6-8	-	25	18
CG. EM. NPT1/2	1/2"	4-12	4-6	6-9	9-12	20	18	16
CG. EM. NPT3/4	3/4"	10-18	10-12	12-14.5	14.5-18	25	22	18
CG. EM. NPT1	1"	14-24	14-17	17-20	20-24	28	23	20
CG. EM. NPT1-1/4	1 1/4"	22-32	22-24	24-27	27-32	56	50	45
CG. EM. NPT1-1/2	1 1/2"	26-35	26-28	28-31	31-35	57	55	52
CG. EM. NPT2	2"	35-45	35-38	38-41	41-45	190	155	140
CG. EM. NPT2-1/2	2 1/2"	46-62	46-51	51-56	56-62	185	175	150
CG. EM. NPT3	3"	60-75	60-65	65-70	70-75	123	118	110
CG. EM. NPT4	4"	75-85	75-78	78-81	81-85	135	130	125

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CG. EM. NPT4L	4"	85-95	85-88	88-91	91-95	180	175	170
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Type CG. CO. xx. x. x. x 系列规格：

CG. CO. xx. x. x. x							
型号		最小 - 最大 电缆规格 Ø mm	扭矩值 [Nm]			适用于	
CG. CO. Mx. x. x. x	CG. CO. NPTx. x. x. x		S1+S2+S3 三层密封 圈	S1+S2 双层密 封圈	S1 单层 密封 圈	Ex db	Ex eb Ex tb
CG. CO. M12. x. x.	CG. CO. NPT1/4. x. x	4-8	20	18	-	×	✓
CG. CO. M16S. x. x	CG. CO. NPT3/8S. x. x	3-9	-	25	18	✓	✓
CG. CO. M16. x. x	CG. CO. NPT3/8. x. x	4-12	20	18	16	✓	✓
CG. CO. M20S. x. x	CG. CO. NPT1/2S. x. x	3-9	-	25	18	✓	✓
CG. CO. M20. x. x	CG. CO. NPT1/2. x. x	4-12	20	18	16	✓	✓
CG. CO. M20L. x. x	CG. CO. NPT1/2L. x. x	10-16	25	22	18	✓	✓
CG. CO. M25. x. x	CG. CO. NPT3/4. x. x	10-18	25	22	18	✓	✓
CG. CO. M25L. x. x	CG. CO. NPT3/4L. x. x	14-20	28	23	-	✓	✓
CG. CO. M32. x. x	CG. CO. NPT1. x. x	14-24	28	23	20	✓	✓
CG. CO. M32L. x. x	CG. CO. NPT1L. x. x	22-28	56	50	35	✓	✓
CG. CO. M40. x. x	CG. CO. NPT1-1/4. x. x	22-32	56	50	45	✓	✓
CG. CO. M40L. x. x	CG. CO. NPT1-1/4L. x. x	26-34	57	55	52	✓	✓
CG. CO. M50. x. x	CG. CO. NPT1-1/2. x. x	26-35	57	55	52	✓	✓
CG. CO. M50L. x. x	CG. CO. NPT1-1/2L. x. x	35-44	190	155	140	✓	✓
CG. CO. M63. x. x	CG. CO. NPT2. x. x	35-45	190	155	140	✓	✓
CG. CO. M75. x. x	CG. CO. NPT2-1/2. x. x	46-59	185	175	150	✓	✓

电缆引入装置适用于以下环境温度范围：

Ex eb, Ex tb :	Ex db :
氯丁橡胶密封圈：-40℃~+80℃ 硅橡胶密封圈：-60℃~+140℃	氯丁橡胶密封圈：-40℃~+80℃ 硅橡胶密封圈：-60℃~+80℃

外壳防护等级：IP 66/68 (50m/30 min.)

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防爆标志：Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db

— 生产者应按照认证机构批准的技术文件组织生产。

2、安全使用条件：

- 电缆引入装置仅适用于固定安装，必须有效加紧电缆以防止拉力和扭矩。
- 为了保证安装电缆引入装置的电气设备的保护类型，电缆引入装置在外壳上的安装以及夹紧螺帽的扭矩值应参照制造商说明书要求。
- 电缆引入装置的安装应按照制造商说明书进行，以确保防护等级。安装电缆引入装置时，必须保证安装位置的温度应在本证书声明的工作温度范围内。
- 当电缆引入装置安装有聚酰胺盲堵 BP.NA.*.PA 时，须考虑机械风险，这取决于电缆引入装置和盲堵。最高工作温度限制到 70°C。为了安装正确的电缆而卸下盲堵，必须检查密封圈的完整性，以确保密封性，必要时密封圈须更换为新备件（仅限原厂备件）。应采取必要的预防措施以防止机械损坏。盲堵仅适用于低冲击机械风险（4J）。
- 螺纹长度为 TL9.0mm 公制螺纹电缆引入装置只能用于保护型式为 Ex eb 和 Ex tb。
- 其他见产品使用说明书。

3、证书变更信息：

- 本证书为期满换发证书，证书首次颁发日期：2021 年 04 月 24 日。

本页为证书附页，应与证书主页同时使用。



南阳防爆电气研究所有限公司





CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000344

Applicant and address

Pepperl+Fuchs SE
Lilienthalstrasse 200, 68307 Mannheim, Germany

Manufacturer and address

Pepperl+Fuchs SE
Lilienthalstrasse 200, 68307 Mannheim, Germany

Factory and address

Bimed Teknik Aletler Sanayi Ve Ticaret A.S.
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No:28 İç Kapı No:1, Arnavutköy/
Istanbul, Turkey

Product, series, specification and model

Cable Glands
CG.NA.xx.x.x.x, CG.CO.xx.x.x.x, CG.EM.xx.x.x.x
Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db

Standards

GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021, GB/T3836.31-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2026-04-21 Valid to: 2031-04-23

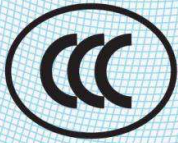
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

This translated document has no legal effect and shall not be used alone.



Director:

Nanyang Explosion Protected Electrical
Apparatus Research Institute Co.,Ltd.



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Product information:

1. This certificate covers the following models:

- CG.NA.xx.x.x.x, CG.CO.xx.x.x.x, CG.EM.xx.x.x.x

CG.NA.xx.x.x.x are intended for use with non-armored elastomer and plastic insulated cables providing a combined flameproof seal and environmental seal on the cable outer sheath.

CG.CO.xx.x.x.x are intended for use with non-armored cables which are protected in flexible metallic conduits.

CG.EM.xx.x.x.x are intended to be used with shielded cables where the shield will be connected to the inner shielding ring of the gland in order to provide the necessary EMC protection.

See the following table for detailed type designation:

CG.NA	.	X	X	.	X	.	X	.	X
CG.EM	.	X	X	.	X	.	X	.	X
CG.CO	.	X	X	.	X	.	X	.	X
	.	1	2	.	3	.	4	.	5

1	Thread type: NPT NPT M Mtr i c p tch1.5 2M Mtr i c p tch2
2	Size
3	Body material: B N i c k e plated brass S S a i n e s s t e e l
4	Sealing Material: C O l o r o p r e n e S S l i o n e
5	Thread Length: Min. thread length (mm)

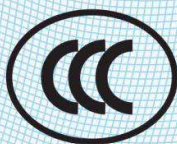
Type CG.NA.xx.x.x.x specification:

Type	Thread size	Clamping Range Ømin-max	S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Torque S1+S2+S3 [Nm]	Torque S1+S2 [Nm]	Torque S1 [Nm]
CG.NA.M8	M8×1.25	2-4	-	-	2-4	-	-	4



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No.: 2021312313000344

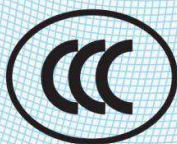
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CG.NA.M12	M12×1.5	4-8	4-6	6-8	-	20	18	-
CG.NA.M12L	M12×1.5	3-8	-	3-6	6-8	-	25	18
CG.NA.M16S	M16×1.5	3-9	-	3-6	6-9	-	25	18
CG.NA.M16	M16×1.5	4-12	4-6	6-9	9-12	20	18	16
CG.NA.M20XS	M20×1.5	3-9	-	3-6	6-9	-	25	18
CG.NA.M20S	M20×1.5	4-12	4-6	6-9	9-12	20	18	16
CG.NA.M20	M20×1.5	10-16	10-12	12-14.5	14.5-16	25	22	18
CG.NA.M25XS	M25×1.5	4-12	4-6	6-9	9-12	20	18	16
CG.NA.M25S	M25×1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.NA.M25	M25×1.5	14-20	14-17	17-20	-	28	23	-
CG.NA.M32XS	M32×1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.NA.M32S	M32×1.5	14-24	14-17	17-20	20-24	28	23	20
CG.NA.M32	M32×1.5	22-28	22-24	24-27	27-28	56	50	35
CG.NA.M40XS	M40×1.5	14-24	14-17	17-20	20-24	28	23	20
CG.NA.M40S	M40×1.5	22-32	22-24	24-27	27-32	56	50	45
CG.NA.M40	M40×1.5	26-34	26-28	28-31	31-34	57	55	52
CG.NA.M50XS	M50×1.5	22-32	22-24	24-27	27-32	56	50	45
CG.NA.M50S	M50×1.5	26-35	26-28	28-31	31-35	57	55	52
CG.NA.M50	M50×1.5	35-44	35-38	38-41	41-44	190	155	140
CG.NA.M63XS	M63×1.5	26-35	26-28	28-31	31-35	57	55	52
CG.NA.2M63S	M63×2	26-35	26-28	28-31	31-35	57	55	52
CG.NA.M63S	M63×1.5	35-45	35-38	38-41	41-45	190	155	140
CG.NA.2M63	M63×2	35-45	35-38	38-41	41-45	190	155	140
CG.NA.M63A	M63×1.5	42-56	42-48	48-52	52-56	130	145	135
CG.NA.2M63L	M63×2	42-56	42-48	48-52	52-56	130	145	135
CG.NA.M63	M63×1.5	46-56	46-48	48-52	52-56	160	145	135
CG.NA.2M63XL	M63×2	46-56	46-48	48-52	52-45	160	145	135
CG.NA.M75XS	M75×1.5	35-45	35-38	38-41	41-45	190	155	140
CG.NA.2M75S	M75×2	35-45	35-38	38-41	41-45	190	155	140
CG.NA.M75S	M75×1.5	46-62	46-51	51-56	56-62	185	175	150
CG.NA.2M75	M75×2	46-62	46-51	51-56	56-62	185	175	150
CG.NA.M75	M75×1.5	60-69	60-65	65-69	-	123	118	-
CG.NA.2M75L	M75×2	60-69	60-65	65-69	-	123	118	-
CG.NA.M80	M80×1.5	60-71	60-65	65-70	70-71	123	118	110
CG.NA.2M80	M80×2	60-71	60-65	65-70	70-71	123	118	110
CG.NA.M90XS	M90×1.5	46-62	46-51	51-56	56-62	185	175	150
CG.NA.2M90S	M90×2	46-62	46-51	51-56	56-62	185	175	150
CG.NA.M90S	M90×1.5	60-75	60-65	65-70	70-75	123	118	110
CG.NA.2M90	M90×2	60-75	60-65	65-70	70-75	123	118	110
CG.NA.M90	M90×1.5	75-82	75-78	78-81	81-82	135	130	125
CG.NA.2M90L	M90×2	75-82	75-78	78-81	81-82	135	130	125



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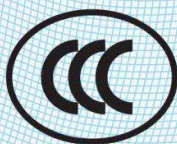
CG.NA.M100XS	M100×1.5	60-75	60-65	65-70	70-75	123	118	110
CG.NA.2M100S	M100×2	60-75	60-65	65-70	70-75	123	118	110
CG.NA.M100S	M100×1.5	75-85	75-78	78-81	81-85	135	130	125
CG.NA.2M100	M100×2	75-85	75-78	78-81	81-85	135	175	125
CG.NA.M110	M110×1.5	85-95	85-88	88-91	91-95	180	175	170
CG.NA.2M110	M110×2	85-95	85-88	88-91	91-95	180	175	170
CG.NA.M115S	M115×2	75-85	75-78	78-81	81-85	135	130	125
CG.NA.M115	M115×2	85-95	85-88	88-91	91-95	180	175	170
CG.NA.M115L	M115×2	95-105	95-98	98-101	101-105	450	450	450
CG.NA.M130	M115×2	105-115	105-108	108-111	111-115	526	500	535

Type	Clamping Range	S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Torque S1+S2+S3 [Nm]	Torque S1+S2 [Nm]	Torque S1 [Nm]
CG.NA.NPT1/4	4-8	4-6	6-8	-	20	18	-
CG.NA.NPT1/4L3-9	3-8	-	3-6	6-8	-	25	18
CG.NA.NPT3/8S	3-9	-	3-6	6-9	-	25	18
CG.NA.NPT3/8	4-12	4-6	6-9	9-12	20	18	16
CG.NA.NPT1/2XS	3-9	-	3-6	6-9	-	25	18
CG.NA.NPT1/2S	4-12	4-6	6-9	9-12	20	18	16
CG.NA.NPT1/2	10-16	10-12	12-14.5	14.5-16	25	22	18
CG.NA.NPT3/4XS	4-12	4-6	6-9	9-12	20	18	16
CG.NA.NPT3/4S	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.NA.NPT3/4	14-20	14-17	17-20	-	28	23	-
CG.NA.NPT1XS	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.NA.NPT1S	14-24	14-17	17-20	20-24	28	23	20
CG.NA.NPT1	22-26	22-24	24-26	-	56	50	-
CG.NA.NPT1-1/4XS	14-24	14-17	17-20	20-24	28	23	20
CG.NA.NPT1-1/4S	22-32	22-24	24-27	27-32	56	50	45
CG.NA.NPT1-1/4	26-34	26-28	28-31	31-34	57	55	52
CG.NA.NPT1-1/2XS	22-32	22-24	24-27	27-32	56	50	45
CG.NA.NPT1-1/2S	26-35	26-28	28-31	31-35	57	55	52
CG.NA.NPT1-1/2	35-41	35-38	38-41	-	190	155	-
CG.NA.NPT2XS	26-35	26-28	28-31	31-35	57	55	52
CG.NA.NPT2S	35-45	35-38	38-41	41-45	190	155	140
CG.NA.NPT2A	42-52	42-48	48-52	-	-	-	-
CG.NA.NPT2	46-52	46-48	48-52	-	160	145	-
CG.NA.NPT2-1/2XS	35-45	35-38	38-41	41-45	190	155	140
CG.NA.NPT2-1/2S	46-62	46-51	51-56	56-62	185	175	150
CG.NA.NPT2-1/2	60-64	60-64	-	-	123	-	-



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CG.NA.NPT3XS	46-62	46-51	51-56	56-62	185	175	150
CG.NA.NPT3S	60-75	60-65	65-70	70-75	123	118	110
CG.NA.NPT3	75-79.5	75-78	78-79.5	-	135	130	-
CG.NA.NPT4XS	60-75	60-65	65-70	70-75	123	118	110
CG.NA.NPT4S	75-85	75-78	78-81	81-85	135	130	125
CG.NA.NPT4	85-95	85-88	88-91	91-95	180	175	170
CG.NA.NPT4L	95-101	95-98	98-101	-	450	450	-
CG.NA.NPT5	95-105	95-98	98-101	101-105	450	450	450
CG.NA.NPT5L	105-115	105-108	108-111	111-115	52	500	535

Type CG.EM.xx.x.x.x specification:

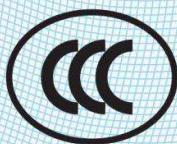
Type	Thread size	Clamping Range	S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Torque S1+S2+S3 [Nm]	Torque S1+S2 [Nm]	Torque S1 [Nm]
CG.EM.M16S	M16×1.5	4-8	-	4-6	6-8	-	25	18
CG.EM.M16	M16×1.5	4-8	-	4-6	6-8	-	25	18
CG.EM.M20	M20×1.5	4-12	4-6	6-9	9-12	20	18	16
CG.EM.M25	M25×1.5	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.EM.M32	M32×1.5	14-24	14-17	17-20	20-24	28	23	20
CG.EM.M40	M40×1.5	22-32	22-24	24-27	27-32	56	50	45
CG.EM.M50	M50×1.5	26-35	26-28	28-31	31-35	57	55	52
CG.EM.M63	M63×1.5	35-45	35-38	38-41	41-45	190	155	140
CG.EM.2M63	M63×2	35-45	35-38	38-41	41-45	190	155	140
CG.EM.M75	M75×1.5	46-62	46-51	51-56	56-62	185	175	150
CG.EM.2M75	M75×2	46-62	46-51	51-56	56-62	185	175	150
CG.EM.M90	M90×1.5	60-75	60-65	65-70	70-75	123	118	110
CG.EM.2M90	M90×2	60-75	60-65	65-70	70-75	123	118	110
CG.EM.M100	M100×1.5	75-85	75-78	78-81	81-85	135	130	125
CG.EM.2M100	M100×2	75-85	75-78	78-81	81-85	135	130	125
CG.EM.M110	M110×1.5	85-95	85-88	88-91	91-95	180	175	170
CG.EM.2M110	M110×2	85-95	85-88	88-91	91-95	180	175	170

Type	Thread size	Clamping Range	S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Torque S1+S2+S3 [Nm]	Torque S1+S2 [Nm]	Torque S1 [Nm]
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Nanyang Explosion Protected Electrical Apparatus Research Institute Co., Ltd.





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CG.EM.NPT3/8S	3/8	4-8	-	4-6	6-8	-	25	18
CG.EM.NPT3/8	3/8	4-8	-	4-6	6-8	-	25	18
CG.EM.NPT1/2	1/2	4-12	4-6	6-9	9-12	20	18	16
CG.EM.NPT3/4	3/4	10-18	10-12	12-14.5	14.5-18	25	22	18
CG.EM.NPT1	1	14-24	14-17	17-20	20-24	28	23	20
CG.EM.NPT1-1/4	1 1/4	22-32	22-24	24-27	27-32	56	50	45
CG.EM.NPT1-1/2	1 1/2	26-35	26-28	28-31	31-35	57	55	52
CG.EM.NPT2	2	35-45	35-38	38-41	41-45	190	155	140
CG.EM.NPT2-1/2	2 1/2	46-62	46-51	51-56	56-62	185	175	150
CG.EM.NPT3	3	60-75	60-65	65-70	70-75	123	118	110
CG.EM.NPT4	4	75-85	75-78	78-81	81-85	135	130	125
CG.EM.NPT4L	4	85-95	85-88	88-91	91-95	180	175	170

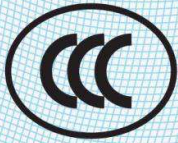
Type CG.CO.xx.x.x.x specification:

CG.CO.xx.x.x.x							
Model		Min-max cable Ø [mm]	Torque value [Nm]			Suitable for	
CG.CO.Mx.x.x.x	CG.CO.NPTx.x.x.x		S1+S2+S 3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Ex db	Ex tb
CG.CO.M12.x.x.	CG.CO.NPT1/4.x.x	4-8	20	18	-	no	yes
CG.CO.M16S.x.x	CG.CO.NPT3/8S.x.x	3-9	-	25	18	yes	yes
CG.CO.M16.x.x	CG.CO.NPT3/8.x.x	4-12	20	18	16	yes	yes
CG.CO.M20S.x.x	CG.CO.NPT1/2S.x.x	3-9	-	25	18	yes	yes
CG.CO.M20.x.x	CG.CO.NPT1/2.x.x	4-12	20	18	16	yes	yes
CG.CO.M20L.x.x	CG.CO.NPT1/2L.x.x	10-16	25	22	18	yes	yes
CG.CO.M25.x.x	CG.CO.NPT3/4.x.x	10-18	25	22	18	yes	yes
CG.CO.M25L.x.x	CG.CO.NPT3/4L.x.x	14-20	28	23	-	yes	yes
CG.CO.M32.x.x	CG.CO.NPT1.x.x	14-24	28	23	20	yes	yes
CG.CO.M32L.x.x	CG.CO.NPT1L.x.x	22-28	56	50	35	yes	yes
CG.CO.M40.x.x	CG.CO.NPT1-1/4.x.x	22-32	56	50	45	yes	yes



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CG.CO.M40L.x.x	CG.CO.NPT1-1/4L.x. x	26-34	57	55	52	yes	yes
CG.CO.M50.x.x	CG.CO.NPT1-1/2.x.x	26-35	57	55	52	yes	yes
CG.CO.M50L.x.x	CG.CO.NPT1-1/2L.x. x	35-44	190	155	140	yes	yes
CG.CO.M63.x.x	CG.CO.NPT2.x.x	35-45	190	155	140	yes	yes
CG.CO.M75.x.x	CG.CO.NPT2-1/2.x.x	46-59	185	175	150	yes	yes

Glands are suitable for use within following ambient temperature range:

Ex eb, Ex tb :	Ex db :
neoprene sealing ring -40°C~+80°C	neoprene sealing ring -40°C~+80°C
silicone sealing ring:-60°C~+140°C	silicone sealing ring:-60°C~+80°C

Ingress protection: IP66/IP68 (50m/30 min.).

Ex marking: Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db

- Manufacturer should organize production in accordance with the technical documents approved by the certification body.

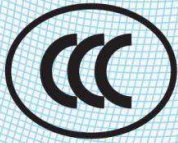
2. Specific conditions of use:

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The coupling of the cable glands to the enclosure and torque values of cap clamping shall be made as indicated in the instruction in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection. The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this certificate.
- When cable glands are installed with polyamide insert BP.NA*.PA, mechanical risk have to be taken into account, depending on cable gland and insert tap. The upper operating temperature is limited to 70°C. When insert tap is removed in order to install the proper cable, the integrity of sealing rings have to be checked, in order to guarantee



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the correct tightness. If necessary, sealing rings have to be replaced with new ones (original spare parts only). Precautions shall be taken in order to guarantee protection against risk of mechanical damage is provided, when insert taps are suitable for low mechanical risk (4J) only.

- The cable glands in metric threads can be produced with TL9.0mm for Ex eb and Ex tb only.
- See instruction manual for other information.

3. Certificate change information:

- This certificate is issued for renewal upon expiration. The first issuance date of the certificate is: April 24, 2021.



**Nanyang Explosion Protected Electrical
Apparatus Research Institute Co.,Ltd.**

