NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA20271M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT:	CCG Cable Terminations Ltd, North Yorkshire, England
MANUFACTURER:	CCG Cable Terminations Ltd, Kempton Park, South Africa
PRODUCT:	Captive component gland with deluge seal for multi armoured cable
TYPE NO.:	E1EX-U
TYPE TEST NO.:	20T605
PARTICULARS:	See the attached sheet
STANDARD:	IEC60079-0(2017), IEC60079-1(2014), IEC60079-7(2015), IEC60079-15(2010), IEC60079-31(2013)
DOCUMENTATION:	IECEx CML 18.0018X, 0571-ASSY

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 31 May 2025.

Issued at Tokyo on 1 June 2020.

T. Shimada
General Manager
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

Attached Sheet to Cert. No. TA20271M

PARTICULARS:

Type:	E1EX-U
Gland material:	Brass (Marine Grade Electroless Nickel Plated™), stainless steel 316/316L
Seal material:	Standard thermoset elastomer or extreme temperature seals
Seal gasket material:	HDPE, Nylon 66 or PTFE
Cable type:	Steel wire, aluminium, braided and tape armour
Armour clamping:	Rotating captive cone and inspectible cone ring
Sealing area:	Inner sheath and outer sheath
Optional accessories:	Adaptor, reducer, earth tag, locknut, serrated washer and shroud
Note:	The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.
Protection levels:	IEC Ex: Ex d I Mb/ IIC Gb, Ex e I Mb/IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db
Operating temp.: (continuous)	Standard seals: -60°C to +95°C/100°C (HDPE/Nylon sealing gasket) Extreme temp. seals: -60°C to +160°C (PTFE)
Conditions for safe:	• The cable glands shall only be used where the temperature, at the point of entry, is between -60°C and +95°C (standard seal & HDPE sealing gasket), +100°C (standard seal and Nylon sealing gasket) or +160°C (extreme temp. seal & PTFE sealing gasket) depending on seal and gasket used. • Braided cables are only suitable for Group II or III applications with this gland and the user shall ensure adequate clamping of the cable. • According to IEC 60079-14, 10.6.2: An Ex d gland will only maintain Ex d integrity when used with substantially round, compact and filled cable. If not a CCG QuickStop-Ex™ barrier gland should be used.

Product code	Gland size reference	Metric entry thread		NPT entry thread		Cable detail				Maximum length 'E'	Armour dia.		Hexagonal detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
057100S-16	00-16ss	M16x1.5	15	-	-	3.0	8.5	5.0	10.5	60.0	0.20	0.90	25/27	28/30	21.0
057100S	00s-20ss	M20x1.5	15	1/2／3/4	15	3.0	8.5	5.0	10.5	60.0	0.20	0.90	25/27	28/30	21.0
057100	00-20ss	M20x1.5	15	1/2／3/4	15	3.0	8.5	8.0	13.5	60.0	0.20	0.90	25/27	28/30	21.0
0571-0S	0s-20s	M20x1.5	15	1/2／3/4	15	7.0	12.0	8.0	13.5	60.0	0.20	1.25	25/27	28/30	21.0
0571-0	0-20s	M20x1.5	15	1/2／3/4	15	7.0	12.0	11.5	16.0	60.0	0.20	1.25	25/27	28/30	21.0
057101	1-20	M20x1.5	15	1/2／3/4	15	9.0	15.0	12.5	20.5	73.0	0.20	1.25	30	34	21.0
057122	2s-25s	M25x1.5	15	3/4／1	15/19	11.0	17.5	16.0	24.5	82.4	0.20	1.60	38	43	30.0
057102	2-25	M25x1.5	15	3/4／1	15/19	14.0	20.0	18.0	27.0	82.0	0.20	1.60	38	43	30.0
057133	3s-32s	M32x1.5	15	1／1*1/4	19	15.0	22.0	20.0	30.5	91.0	0.20	2.00	45	51	42.0

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		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
057103	3-32	M32x 1.5	15	1／1*1 /4	19	19.0	26.5	23.0	33.5	91.0	0.20	2.00	45	51	42.0
057144	4s-40 s	M40x 1.5	15	1*1/4 ／1*1/ 2	19/ 21	22.0	31.5	26.5	39.5	105.0	0.30	2.00	55	62	52.0
057104	4-40	M40x 1.5	15	1*1/4 ／1*1/ 2	19/ 21	26.0	34.0	28.0	40.0	105.0	0.30	2.00	55	62	52.0
057155	5s-50 s	M50x 1.5	15	1*1/2 ／2	21	29.0	38.0	35.2	46.7	123.0	0.40	2.50	65	73	57.0
057105	5-50	M50x 1.5	15	1*1/2 ／2	21	34.0	44.5	44.4	53.0	123.0	0.40	2.50	65	73	57.0
057166	6s-63 s	M63x 1.5	15	2／2* 1/2	21/ 30	38.0	50.0	45.5	59.4	147.0	0.40	2.50	85	96	66.0
057106	6-63	M63x 1.5	15	2／2* 1/2	21/ 30	44.0	56.5	54.6	65.9	147.0	0.40	2.50	85	96	66.0
057177	7s-75 s	M75x 1.5	15	2*1/2 ／3	30/ 32	50.0	62.0	59.0	72.5	149.0	0.40	3.15	96	108	72.0
057107	7-75	M75x 1.5	15	2*1/2 ／3	30/ 32	56.0	67.5	65.0	78.0	149.0	0.40	3.15	96	108	72.0
057108	8-80	M80x 2.0	20	3	32	59.0	69.0	65.0	77.5	195.0	0.40	3.15	96	108	80.0
057199	9s-90 s	M90x 2.0	20	3／3*1 /2	32/ 33	66.0	75.0	73.0	86.5	204.0	0.40	3.50	111	125	89.0
057109	9-90	M90x 2.0	20	3／3*1 /2	32/ 33	74.0	81.5	82.0	91.0	204.0	0.40	3.50	111	125	89.0
057110	10-10 0	M100x 2.0	20	3*1/2 ／4	33/ 34	'81.0	91.0	90.0	100.0	209.0	0.40	3.50	125	141	98.0

All dimensions except NPT are in mm. Intermediate thread sizes are available on request.

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