TECHNICAL DATA

CABLE GLAND TYPE INGRESS PROTECTION PROCESS CONTROL SYSTEM : BS FN ISO 9001 ISO/IEC 80079-34:2011

EXPLOSIVE ATMOSPHERES CLASSIFICATION

ATEX CERTIFICATION No

: SIRA 09ATEX1165X : (2) II 2G 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da : IECEx SIR.09.0069X : Ex d IIC Gb / Ex e IIC Gb, Ex ta IIIC Da ATEX CERTIFICATION CODE

IECEX CERTIFICATION No
IECEX CERTIFICATION CODE

c-CSA-us CERTIFICATION No

: Class I Div 1 and 2 Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F and G; Class III, Div 1 and 2; Enclosure Type 4X: Ex d IIC; Ex e II: Class I, Zone 1, AEx d IIC; AEx e II; AEx ta IIC c-CSA-us CERTIFICATION CODE

INSTALLATION INSTRUCTIONS

In accordance with NEC requirements, glands with NPT and Metric entry threads are suitable for both Divisions and Zones.
In accordance with CEC requirements, glands with NPT threads are suitable for both Divisions and Zones. Glands with Metric threads are only suitable for Zones unless fitted with an approved Metric to NPT thread conversion adaptor.

For IEC and/or ATEX installations

LC allium Arks instancions.
- All tapes/shields/folis must be removed and any twisted pairs/triples unwound to form individual conductors.
- Drain Wires: Pass sleeving/heat shrink tube over the drain, making sure it is positioned within the resin Tube/Resin Dam area. If required, shrink the tube by applying heat, then treat the drain

For NEC Class 1 Div 1 and Zone 1 see article 501.15 of the NEC.

SPECIAL CONDITIONS FOR SAFE USE

- The glands shall only be fitted to enclosures where temperatures, at the point of mounting, is below 85°C.
- The cable shall be effectively clamped as close as possible to the gland. When used for Ex e or Ex ta applications, the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the level of ingress protection of the enclosure they
- The TMC2X cable glands comprise of a flameproof labyrinth joint having length and gap dimensions which are other than those specified in IEC 60079-1 and are not intended to be repaired.

Order Reference (NPT)				Thread	Minimum	Cable Armour Diameter				Jacket neter	Max Over		Across Corners		RapidEx	Separate	a 1	Approx Weight
Aluminium	Nickel Plated Brass	Stainless Steel	NPT	Thread NPT Length Option		Armour Stop In Min Max		Armour Stop Ou Min Ma		Max	Conductors	Max	Max	Assembly Length	Pack Suffix	RapidEx Order Ref	Shroud	Aluminium (Ozs)
TMC2X-050A075	TMC2X-050NB075	TMC2X-050SS075	1/2"	-	0.78	0.42		0.55 0.6	2		0.51				1EX	RAPIDEX30		
TMC2X-075A075	TMC2X-075NB075	TMC2X-075SS075	-	3/4"	0.80	0.42	0.55	0.55 0.6	0.500	0.750	0.51	1.200	1.320	2.440	1EX	RAPIDEX30	PVC06	2.290
TMC2X-075A099	TMC2X-075NB099	TMC2X-075SS099	3/4"	-	0.80	0.60	0.65	0.65 0.8	9		0.71	1 400	1.630	2.057	1EX	RAPIDEX30	PVC09	3.000
TMC2X-050A099	TMC2X-050NB099	TMC2X-050SS099	-	1/2"	0.78	0.60	0.78	0.78 0.8	0.690	0.990	0.51	1.480	1.628	2.957	1EX	RAPIDEX30	PVC09	
TMC2X-100A118	TMC2X-100NB118	TMC2X-100SS118	1"	-	0.98	0.79	0.86	0.86 1.1	0.870	1 100	0.94	1.010	1.001	2.154	1EX	RAPIDEX30	PVC11	F 110
TMC2X-075A118	TMC2X-075NB118	TMC2X-075SS118	-	3/4"	0.80	0.79	0.98	0.98 1.1	0.870	1.180	0.71	1.810	1.991	3.154	1EX	RAPIDEX30	rvcII	5.110
TMC2X-125A137	TMC2X-125NB137	TMC2X-125SS137	1-1/4"	-	1.00	0.94	1.08	1.08 1.2	8 1.020	1.370	1.20	2.050	2.255	3.547	1EX	RAPIDEX30	PVC15	6.700
TMC2X-100A137	TMC2X-100NB137	TMC2X-100SS137	-	1"	0.98	0.94	1.18	1.18 1.2	8 1.020	1.370	0.94	2.050	J 2.255	5.54/	1EX	RAPIDEX30	rvC15	0.700
	TMC2X-150NB162	TMC2X-150SS162	1-1/2"	-	1.03	1.22	1.35	1.35 1.5		1.620	1.46	2.360	2.596	3.591	1EX	RAPIDEX80	PVC18	8.820
	TMC2X-125NB162	TMC2X-125SS162	-	1-1/4"	1.00	1.22	1.42	1.42 1.5	0	1.020	1.20	2.300	2.330	3.351	1EX	RAPIDEX30	1 4 5 10	0.020
	TMC2X-150NB190	TMC2X-150SS190	1-1/2"	-	1.03	-	-	1.51 1.7		1.900	1.46	2.560	2.816	3.587	1EX	RAPIDEX80	PVC37	9.450
	TMC2X-125NB190	TMC2X-125SS190	-	1-1/4"	1.00	-	-	1.51 1.7	2	1.500	1.20	2.500	2.010	3.307	1EX	RAPIDEX30	1 4 (3)	3.430
	TMC2X-200NB200	TMC2X-200SS200	2"	-	1.53	1.57	1.70	1.70 1.8		2.000	1.63	2.750	3.025	3.756	1EX	2RAPIDEX80	PVC21	11.060
	TMC2X-150NB200	TMC2X-150SS200	-	1-1/2"	1.03	1.57	1.70	1.70 1.8			1.46				1EX	RAPIDEX80		
	TMC2X-250NB233	TMC2X-250SS233	2-1/2"	-	1.63	-	-	1.81 2.2			2.13	2.050		5 3.972	1EX	2RAPIDEX80		12.770
	TMC2X-200NB233	TMC2X-200SS233	-	2"	1.53	-	-	1.81 2.2		0 2.330	1.90	2.950	3.245		1EX	2RAPIDEX80		
	TMC2X-150NB233	TMC2X-150SS233		1-1/2"	1.03	-	-	1.81 2.2			1.46				1EX	RAPIDEX80	DUCDA	
	TMC2X-300NB272	TMC2X-300SS272	3"	2.1/2//	1.63	2.14	2.46	2.17 2.6		2 720	2.55	3.540	2.004	4.098	1EX	3RAPIDEX80	PVC28	24.690
	TMC2X-250NB272 TMC2X-200NB272	TMC2X-250SS272	-	2-1/2"	1.63	2.14	2.46			2.720	2.13	3.540	3.894		1EX	2RAPIDEX80		
	TMC2X-200NB272	TMC2X-200SS272 TMC2X-350SS325	3-1/2"	2"	1.53	2.14		2.46 2.6			1.90 2.98				1EX 1EX	2RAPIDEX80 3RAPIDEX80		
		TMC2X-35055325	5-1/2	3"	1.63	2.49		2.78 2.9		3.250	2.98	4.330	4.763	4.665	1EX	3RAPIDEX80	PVC32	42.680
		TMC2X-30055325	4"	- 3	1.73			3.45 3.5			3.38				1EX	4RAPIDEX80		
		TMC2X-40033376	4	3-1/2"	1.68			3.45 3.5	3 160	3.760	3.38	4.840	5.324	4.953	1EX	3RAPIDEX80	LSF33	53.440
	TMC2X-330NB376		4"	3-1/2	1.73	2.93	5.45	3.56 3.9		4.250	3.38	5.230	5.753	5.161	1FX	4RAPIDEX80	LSF34	59.190
THICZX 400A4ZJ		10027-40033423															23134	55.150

Note: *Order Code Example: TMC2X-050A075 - "TMC2X" (Gland Type) - "050" (1/2" NPT Thread) - "A" (Material Aluminium) - "075" (Max Cable Diameter 0.75")

CMP Products Limited on its sole responsibility declares that the equpement referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and the following standards:

EN 60079-0:2012. EN 60079-1:2007. EN 60079-7:2007. EN 60079-15:2010. EN 60079-31:2009. BS 6121:1989. EN 62444:2013

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Date Printed:

INSTALLATION INS CMP CABLE GLAN

CMP TYPE TMC2X CABLE GLAND / GLAND CONTINUOUSLY WELDED METAL CLAD (TYI ARMORED & JACKETED CABLES IN ORDINA

INCORPORATING EU DECLARATION OF

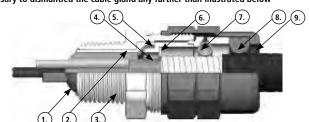


TMC2X - Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL

INSTALLATION INSTRUCTIONS FOR CMP TMC2X

CABLE GLAND COMPONENTS - It is not necessary to dismantled the cable gland any further than illustrated below

- 1. RapidEx Resin
- 2. Resin Tube
- 3. Entry Component
- Sealant Tape or Inner Jacket
- 5. Resin Dam
- 6. End Stop
- 7. Grounding Spring
- 8. Jacket Seal
- 9. Outer Nut



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

1. Cable preparation — Without Inner Jacket

Strip back the jacket armor to suit the equipment geometry.

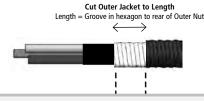


1. Cable preparation — With Inner Jacket

Strip back the jacket armor to suit the equipment geometry.

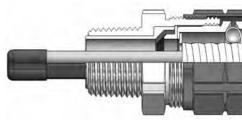
Using the measure guide, cut the cable inner jacket (and any cable fillers) to the required length. If inner jacket is too large for the Resin Dam, cut off and replace with electrical tape.

2. Using the armor measure guide, expose the armor further by stripping back the cable jacket



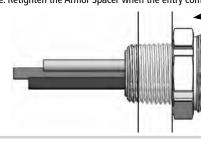
NOTE: When the outer jacket is at its maximum, cut distance may have to be increased by up to 10%.

- **3. Electrical tape MUST be wrapped around the tips o** This is to ensure the cable cores are together and also to co that could potentially tear the Resin Dam during installation
- **4.** Pass the cable through the gland until the armor makes ductors to pass through the end stop then it should be rem within the entry component. At this stage unscrew the Oute Armor Spacer. If no access is gained repeat step 2 and trim



Note: For instrumentation cables utilizing shielded cable, inc overall drain wires, see Installation Guidance Notes overleaf

5. Once the resin has cured, loosen the Outer Nut to ensur. Nut back over the cable, enough to loosen the Armor Spacenclosure. Retighten the Armor Spacer when the entry com-



Finally, holding the cable central in the gland, tighten the and the seal to engage the cable jacket. Do not over tighte close face to face.



