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Certificate No: LR22320739TA Issue Date: 08/12/2021 Expiry Date: 25/07/2027

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	CMP Products Limited
Mallulacturei	CMP Products Lilling

Address Glasshouse Street, St. Peters, Newcastle-Upon - Tyne, NE6 1BS, United

Kingdom

Type Cable Glands and Approved Accessories

Description Cable glands for hazardous areas in Marine, offshore and Industrial use

Trade Name CMP

Application Cable glands for the installation in ordinary, industrial, and hazardous

locations

Ratings See Appendix for Details

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 01/00172(E4)

The Design Appraisal Document LR22320739TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Matt Higgins

Senior Electrical Specialist to Lloyd's Register

A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Appendix

Туре	A2F
	(including prefix 'R', suffix '-FF', '-FC' & 'HT' variants)
Design Specification	BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013
Classification	Ex db IIC Gb / Ex eb IIC Gb /
	Ex nR IIC Gc / Ex ta IIIC Da
Compliance Code	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15:2017 (EN:2019),
	IEC 60079-31:2013 (EN:2014)
Certification	CML 18ATEX1321X
	CML 18ATEX4313X
	CML 21UKEX1245X
	CML 21UKEX4246X
	IECEx CML 18.0179X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66, IP67 & IP68 (10m depth)

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NEW PRODUCT TO CERTIFICATE

Туре	A2F100
	(including prefix 'R', suffix 'HC' variants)
Design Specification	BS 6121: Part 1: 1989, IEC 62444:2010, EN 62444:2013
Classification	Ex db Mb / Ex eb Mb / Ex db IC Gb / Ex eb IC Gb / Ex nR IC Gc / Ex ta IIC Da
Compliance Code	IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15:2017 (EN:2019), IEC 60079-31:2013 (EN:2014)
Certification	CML 18ATEX1307 CML 18ATEX4311 CML 21UKEX1247 CML 21UKEX4248 IECEx CML 18.0172
Continuous operating temperature range	-60°C to +130°C
Ingress protection	IP66, IP67 & IP68 (30m depth)

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Туре	A2E
	(including prefix 'R', suffix '-FF', '-FC' & 'HT' variants)
Design Specification	BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013
Classification	Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
Compliance Code	IEC 60079-0:2017 (EN:2018),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15: 2017 (EN:2019),
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 18ATEX1321X
	CML 18ATEX4313X
	CML 21UKEX1245X
	CML 21UKEX4246X
	IECEx CML 18.0179X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66, IP67 & IP68 (10m depth)

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Туре	A2FRC
	(including prefix 'R', & suffix 'HT' variants)
Design Specification	BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013
Classification	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
Compliance Code	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15: 2017 (EN:2019),
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 18ATEX1321X
	CML 18ATEX4313X
	CML 21UKEX1245X
	CML 21UKEX4246X
	IECEx CML 18.0179X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66

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(including prefix 'R', suffix 'W', 'X', 'U', 'D', 'HT' & 'VAR' variants) D=Deluge Protection Design Specification UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013 CCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III; Enclclosure Type 4X; Ex d IIC; Ex e II; IP66; Ex nR II CSAus - Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Class I, Zone I, AEx e II; AEx nR II Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Compliance Code ANSI/UL 50, 514B, 2225, UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174, CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-1:2017 (EN:2018), IEC 60079-1:2017 (EN:2014), IEC 60079-1:2017 (EN:2014), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX1324X CML 21UKEX152X CML 21UKEX4253X IECEX CML 18.0181X Continuous operating temperature range -60°C to +130°C (Standard seal), -20°C to +200°C (High temperature seal)	Туре	E1F##
VAR' variants D=Deluge Protection		(including prefix 'R' suffix 'W' 'X' 'II' 'D' 'HT' &
Design Specification UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013 CCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Ex d IIC; Ex e II; IP66; Ex nR II CSAus - Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Class I, Zone I, AEx e II; AEx nR II Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Compliance Code ANSI/UL 50, 514B, 2225, UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 6, 18.3, 25, 30, 94, 174, CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-1:2014 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-1:2014 (EN:2014), IEC 60079-31: 2013 (EN:2019), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		(including prefix it, surfix iv, x, o, b, fit d
EN 62444:2013		'VAR' variants) D=Deluge Protection
Cassification CCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III; Enclclosure Type 4X; Ex d IIC; Ex e II; IP66; Ex nR II CSAus - Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Class I, Zone I, AEx e II; AEx nR II Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Compliance Code ANSI/UL 50, 514B, 2225, UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-1:2014 (EN:2014), IEC 60079-1:2014 (EN:2014), IEC 60079-31: 2013 (EN:2014) Certification CCSA CSA CSA CSA CSA CSA CSA CSA CSA CSA	Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010,
Groups E, F, and G; Class III; Enclclosure Type 4X; Ex d IIC; Ex e II; IP66; Ex nR II CSAus - Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Class I, Zone I, AEx e II; AEx nR II Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Compliance Code ANSI/UL 50, 514B, 2225, UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174, CSA C22.2 No 60079-0; 2017 (EN:2018), IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-1:2014 (EN:2014), IEC 60079-31: 2017 (EN:2015+A1:2018), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX4253X IECEX CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		EN 62444:2013
4X; Class I, Zone I, AEx e II; AEx nR II Ex db I Mb / Ex eb I Mb / Ex eb IIC Gb / Ex eb IIC Gc / Ex ta IIIC Da Compliance Code	Classification	Groups E, F, and G; Class III; Enclclosure Type 4X; Ex d IIC; Ex e II; IP66;
IIIC Da		
UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174, CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		
CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174, CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX4253X IECEX CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),	Compliance Code	ANSI/UL 50, 514B, 2225,
CSA C22.2 No 60079-0, 1, 7, 15 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014) Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		UL 60079-0, 1, 7, 15
IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014) IEC 60079-31: 2013 (EN:2014)		CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174,
IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014) IEC 60079-31: 2013 (EN:2014)		CSA C22.2 No 60079-0, 1, 7, 15
IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014)		IEC 60079-0:2017 (EN:2018),
IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014)		IEC 60079-1:2014 (EN:2014),
Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		IEC 60079-7:2017 (EN:2015+A1:2018),
Certification CCSAus 1310517 CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		IEC 60079-15: 2017 (EN:2019),
CML 18ATEX1324X CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		IEC 60079-31: 2013 (EN:2014)
CML 18ATEX4316X CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),	Certification	cCSAus 1310517
CML 21UKEX1252X CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		CML 18ATEX1324X
CML 21UKEX4253X IECEx CML 18.0181X Continuous operating temperature -60°C to +130°C (Standard seal),		CML 18ATEX4316X
Continuous operating temperature -60°C to +130°C (Standard seal),		CML 21UKEX1252X
Continuous operating temperature -60°C to +130°C (Standard seal),		CML 21UKEX4253X
		IECEx CML 18.0181X
range -20°C to +200°C (High temperature seal)	Continuous operating temperature	-60°C to +130°C (Standard seal),
	range	-20°C to +200°C (High temperature seal)

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Туре	E2F##
	(including prefix 'R', suffix 'W', 'X', 'U', 'D', 'HT' & 'VAR'
	variants) D=Deluge Protection
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2,
	Groups E, F, and G; Class III; Enclosure Type 4X; Ex d IIC; Ex e II; IP66; Ex nR II
	CSAus - Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Class I, Zone I, AEx e II; AEx nR II
	Ex db Mb / Ex eb Mb / Ex db IC Gb / Ex eb IC Gb / Ex nR IC Gc / Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, 2225,
	UL 60079-0, 1, 7, 15
	CAN/CSA C22.2 No 0, 18.3, 25, 30, 94, 174,
	CSA C22.2 No 60079-0, 1, 7, 15
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15: 2017 (EN:2019),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 1310517
	CML 18ATEX1324X
	CML 18ATEX4316X
	CML 21UKEX1252X
	CML 21UKEX4253X
	IECEx CML 18.0181X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66 (IP67 & IP68 (10m depth) with 'D' option)

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Туре	PX##
	(including prefix 'R', suffix 'B', 2K', 'SS2K', W', 'X', 'RC', 'REX', 'PB' & 'VAR' variants)
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013
Classification	cCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; Class III, Division 1 and 2; Type 4X; Oil Resistance II; Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
	CSAus - Class I, Division 1 and 2, Groups A, B, C, and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Division 1 and 2; Type 4X; Oil Resistance II; Class I, Zone 1, AEx d IIC Gb, AEx e IIC Gb; Class I, Zone 2, AEx nR IIC Gc; Class I, Zone 20 AEx ta IIIC Da
	UL - Class I, Division 1 and 2 , Groups A, B, C, and D; Class II, Division 1 and 2, Groups E, F, and G; Class I, Zone 1, AEx d IIC
	Ex eb I Mb / Ex db I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, 2225 UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 0, 18, 25, 30, 94, 174 CSA C22.2 60079-0, 1, 7, 15, 31 ANSI/ISA 60079-31 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-15: 2017 (EN:2019), IEC 60079-31: 2013 (EN:2014)
Certification	CCSAus 2288626 UL E161256, E201187, E256367 CML 18ATEX1325X CML 18ATEX4317X CML 21UKEX1214X

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Туре	PX##
	(including prefix 'R', suffix 'B', 2K', 'SS2K', W', 'X', 'RC', 'REX', 'PB' & 'VAR' variants)
	CML 21UKEX4215X
	IECEx CML 18.0182X
Continuous operating temperature	-60°C to +85°C
Ingress protection	IP66, IP67 & IP68 (10m depth), Type 4X; Oil Resistant II

Туре	SS2K
	(including prefix 'R', and suffix 'HT', 'TA', 'PB', 'VAR' variants
Design Specification	BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444:2013
Classification	Ex db Mb / Ex eb Mb / Ex db IC Gb / Ex eb IC Gb / Ex nR IC Gc / Ex
	ta IIIC Da
Compliance Code	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15: 2017 (EN:2019),
	IEC 60079-31: 2013 (EN:2014)
Contitionation	CAN ADATEVACCOV
Certification	CML 18ATEX1322X
	CML 18ATEX4314X
	CML 21UKEX1256X
	CML 21UKEX4257X
	IECEx CML 18.0178X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66, IP67 & IP68 (10m depth)

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Туре	C##
	(including suffix 'We', 'Xe', 'D', '2K', '2KX', HT', 'PB' & 'VAR' variants)
	D=Deluge Protection
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN
	62444:2013
Classification	cCSAus - Ex e II, Ex nR II; Class I, Zone 1, AEx e II, AEx nR II; Enclosure
	Type 4X; Oil Resistant II
	UL - Class I, Zone 1, AEx e II
	Ex eb IIC Gb / Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 50E, 514B, 2225, 60079-0, 7,
	UL 60079-15
	CAN/CSA C22.2 No 0, 18.3, 94.1, 94.2, E60079-7
	CSA E60079-0
	C22.2 60079-15
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 2367109
	UL E256367, E200163
	CML 18ATEX1323X
	CML 21UKEX1251X
	IECEx CML 18.0180X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66 (IP67 & IP68 (10m depth) with 'D' option); Type 4X; Oil Resistant II

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Туре	TMC
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSAus - Class II, Division 1 and 2, Groups E, F, and G; Class III, Division 1
	and 2; Enclosure Types 3, 4, and 4X; Ex e II; Class I, Zone 1, AEx e II
	UL - Class I, Zone 1 and 2, AEx e II
	Ex eb IIC Gb / Ex ta IIIC Da
Compliance Code	ANSI/UL50, 514B, 60079-0, 7
	UL 2225, 60079-0, 7
	CAN/CSA E60079-7,
	CAN/CSA C22.2 No 0, 18.3, 25, 94, 174, 60079-0
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 1129339
	UL E256366
	CML 18ATEX1337X
	CML 21UKEX1261X
	IECEx CML 18.0184X
Continuous operating temperature	-60°C to +130°C
range	35 6 15 1 150 6
Ingress protection	IP66; Type 4X; Oil Resistant II

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Туре	TMCX
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSAus - Class I, Division 1 and 2, Groups A, B, C, and D; Class II, Division 1 and 2, Groups E, F, and G; Class III, Division 1 and 2; Encl. Type 3, 4, and 4X; Ex d IIC, Ex e II; Class I, Zone 1, AEx d IIC, AEx e II
	UL - Class I, Division 1 and 2, Groups A, B, C, and D; Class II, Division 1 and 2, Groups E, F, and G; Class III, Division 1 and 2; Encl. Type 3, 4, and 4X; Ex d IIC, Ex e II; Class I, Zone 1, AEx d IIC, AEx e II
	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
Compliance Code	ANSI/UL50, 514B, 60079-0, 1, 7 UL 2225, 60079-0, 1, 7 CAN/CSA E60079-7, CAN/CSA C22.2 No 0, 18.3, 25, 94, 174, 60079-0 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-31: 2013 (EN:2014)
Certification	CCSAus 1129339 UL E256366, E161256 CML 18ATEX1337X CML 21UKEX1261X IECEx CML 18.0184X
Continuous operating temperature range	-60°C to +85°C
Ingress protection	IP66; Type 4X; Oil Resistant II

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Туре	TMC2
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 1 and 2, Groups E, F, and G; Class III, Division 1 and 2; Enclosure Type 4X; Ex e II; Class I, Zone 1, AEx e II; AEx ta IIIC
	CSAus - Class II, Division 1 and 2, Groups E, F, and G; Class III, Division 1
	and 2; Enclosure Type 4X; Ex e II; Class I, Zone 1, AEx e II; AEx ta IIIC
	Ex eb IIC Gb, Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, U886, 2225
	CAN/CSA E60079-0,
	CAN/CSA C22.2 No 0, 18, 25, 30, 94, 174, 60079-0, 1, 7,
	E61241-1-1
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 2194053
	CML 18ATEX1335X
	CML 21UKEX1262X
	IECEx CML 18.0192X
Continuous operating temperature range	-60°C to +110°C
Ingress protection	IP66; Type 4X; Oil Resistant II

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Туре	TMC2X
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSAus - Class I, Division 1 and 2, Groups A, B, C, and D; Class II, Division 1 and 2, Groups E, F, and G; Class III Division 1 and 2; Enclosure Type 4X; Ex d IIC, Ex e II; Class I Zone 1, AEx d IIC; AEx e II; AEx ta IIIC UL - Class I, Division 1 and 2, Groups A, B, C, and D; Class II, Division 1, Groups E, F, G; Class III
	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
Compliance Code	UL50, UL 514B, UL 2225, UL 60079-0,1,7 CAN/CSA-E60079-0, CSA Standard C22.2 No 18,174 IEC 60079-0:2017 (EN:2018), IEC 60079-1:2014 (EN:2014), IEC 60079-7:2017 (EN:2015+A1:2018), IEC 60079-31: 2013 (EN:2014)
Certification	CCSAus 2194053 UL E161256 CML 18ATEX1336X CML 21UKEX1263X IECEx CML 18.0193X
Continuous operating temperature range	-60°C to +85°C
Ingress protection	IP66; Type 4X; Oil Resistant II

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Туре	TC
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
	IEC 62444: 2010, EN 62444:2013
Classification	cCSA - Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III, Division2; Enclosure Type 4X; Ex e; Class I,
	Zone 1, AEx e
	CSAus - Class II, Division 2, Groups E, F, and G;
	Class III, Division 2; Enclosure Type 4X; Ex e; Class I, Zone 1, AEx e
	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, 60079-0,7
	CAN/CSA C22.2 No 0, 18.3, 94, 174, E60079-0, 7
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 2220601
	CML 18ATEX1334X
	CML 21UKEX1260X
	IECEx CML 18.0191X
Continuous operating temperature range	-60°C to +110°C
Ingress protection	IP66; Type 4X;

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Туре	TRITON T3CDS
	(including prefix 'R', suffix 'X', 'W', 'HT' 'PB' & 'VAR' variants)
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444: 2013
Classification	cCSA – Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Enclosure Types 3, 4, and 4X; Class III; Ex d IIC, Ex e II; Ex nR II
	CSAus – Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type 4X; Oil Resistant II; Class I, Zone 1, AEx e II; AEx nR II
	UL – Class I, Zone 1, AEx e II
	Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, 2225
	UL 60079-0, 1, 7, 15 CAN/CSA C22.2 No 0, 18, 25, 30, 94, 174
	CSA C22.2 60079-0, 1, 7, 15
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15: 2017 (EN:2019),
	IEC 60079-31: 2013 (EN:2014)
Certification	cCSAus 1310517
	UL E256367
	CML 18ATEX1326X
	CML 18ATEX4318X
	CML 21UKEX1258X
	CML 21UKEX4259X
	IECEx CML 18.0183X
Continuous operating temperature	-60°C to +130°C (Standard seal),
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66, IP67 & IP68 (10m depth); Type 4X; Oil Resistant II

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Design Specification	(including prefix 'R', suffix 'HT' & 'VAR' variants) UL50, UL514B, UL2225, BS 6121: Part 1: 1989, IEC 62444: 2010, EN 62444: 2013
Design Specification	UL50, UL514B, UL2225, BS 6121: Part 1: 1989,
Design Specification	
	IEC 62444: 2010. EN 62444: 2013
Classification	cCSA – Class I, Division 2, Groups A, B, C, and D; Class II, Division 2,
	Groups E, F, and G; Enclosure Types 3, 4, and 4X; Class III; Ex d IIC, Ex e
	II; Ex nR II
	CSAus – Class II, Division 2, Groups E, F, and G; Class III; Enclosure Type
	4X; Oil Resistant II; Class I, Zone 1, AEx e II; AEx nR II
	Ex db Mb / Ex eb Mb / Ex db IC Gb / Ex eb IC Gb / Ex nR IC Gc / Ex
	ta IIIC Da
Compliance Code	ANSI/UL 50, 514B, 2225
	UL 60079-0, 1, 7, 15
	CAN/CSA C22.2 No 0, 18, 25, 30, 94, 174 CSA C22.2 60079-0, 1, 7, 15
	IEC 60079-0:2017 (EN:2018),
	IEC 60079-1:2014 (EN:2014),
	IEC 60079-7:2017 (EN:2015+A1:2018),
	IEC 60079-15:2017 (EN:2019),
	IEC 60079-31:2013 (EN:2014)
Certification	cCSAus 1310517
	CML 18ATEX1326X
	CML 18ATEX4318X
	CML 21UKEX1258X
	CML 21UKEX4259X
	IECEx CML 18.0183X
Continuous operating temperature	-60°C to +130°C (Standard seal)
range	-20°C to +200°C (High temperature seal)
Ingress protection	IP66, IP67 & IP68 (10m depth); Type 4X; Oil Resistant II

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NEW PRODUCT TO CERTIFICATE

Туре	TSPe & TSPi
Design Specification	IEC 62444: 2010, EN 62444:2013
Classification	Ex eb IIC Gb / Ex ta IIIC Da
	IEC 60079-0:2017 (EN:2018),
Compliance Code	IEC 60079-7:2017 (EN:2015+A1:2018)
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 19ATEX3185X
	CML 21UKEX3264X
	IECEx CML 19.0062X
Continuous operating temperature range	-60°C to +95°C
Ingress Protection	IP66, IP67, IP68 (30m depth), IP69 & IP69K

NEW PRODUCT TO CERTIFICATE

Туре	TSMe
Design Specification	IEC 62444: 2010, EN 62444:2013
Classification	Ex eb IIC Gb / Ex ta IIIC Da
	IEC 60079-0:2017 (EN:2018),
Compliance Code	IEC 60079-7:2017 (EN:2015+A1:2018)
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 19ATEX3185X
	CML 21UKEX3264X
	IECEx CML 19.0062X
Continuous operating temperature range	-60°C to +105°C
Ingress Protection	IP66, IP67, IP68 (30m depth), IP69 & IP69K

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NEW PRODUCT TO CERTIFICATE

Туре	TSXe
Design Specification	DIN 89345, IEC 62444: 2010, EN 62444:2013
Classification	Ex eb IIC Gb / Ex ta IIIC Da
	IEC 60079-0:2017 (EN:2018),
Compliance Code	IEC 60079-7:2017 (EN:2015+A1:2018)
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 19ATEX3185X
	CML 21UKEX3264X
	IECEx CML 19.0062X
Continuous operating temperature range	-60°C to +105°C
Ingress Protection	IP66, IP67, IP68 (30m depth), IP69 & IP69K

NEW PRODUCT TO CERTIFICATE

Туре	TSZe
Design Specification	IEC 62444: 2010, EN 62444:2013
Classification	Ex eb IIC Gb / Ex ta IIIC Da
	IEC 60079-0:2017 (EN:2018),
Compliance Code	IEC 60079-7:2017 (EN:2015+A1:2018)
	IEC 60079-31: 2013 (EN:2014)
Certification	CML 19ATEX3185X
	CML 21UKEX3264X
	IECEx CML 19.0062X
Continuous operating temperature range	-60°C to +105°C
Ingress Protection	IP66, IP67, IP68 (30m depth), IP69 & IP69K

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