



780

Ex e Ex d Ex ta

780 In-Line Union, Globally Approved, Explosive Atmosphere Cable / Conduit Accessory

- Allows the connection of conduit or glands to equipment
- Suitable for rigid or flexible conduit
- Integral coupling eliminates the need to rotate the conduit
- General Purpose / industrial version available
- Equipment interface 'O' ring seal available
- -60°C to 200°C
- Globally marked, IECEx, ATEX & cCSAus

Male-to-Male thread option available.

Available with an equipment interface 'O' ring seal. For such options please add the suffix letter "R" after the type number in the ordering reference above, e.g. 780RDM2M2.

If 2 separate enclosures are required to be connected together please contact CMP Products.

Technical Data	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certification	SIRA10ATEX1306U
Code of Protection	⊕ II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X ⊕ IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IECEx Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D; Enclosure type 4X : Class I, Zone 1, AEx de II; Ex de II
Compliance Standards	C22.2 No.0,0,5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.1F05.B00138
INMETRO Approval	TÜV 12.1334U
NEPSI Certificate	GYJ13.1142X
Ingress Protection Rating	IP66 when fitted with a CMP 'O' ring or Entry Thread Seal**
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

Note : ** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

Product Selection Table													
Ordering Reference (Brass, Metric)	METRIC				NPT					Max Protrusion Length "F"	Across Flats Hex "D"	Across Corners Ø "D"	Installation Torque (Nm)
	Male Forward Thread Size "A"	Minimum Thread Length "E"	Female Rear Thread Size "B"	Bore Diameter "C"	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size "A"	Minimum NPT Thread Length "E" (in)	Female Rear Thread Size "B"	Bore Diameter "C"				
780DM2M2	M20 X 1.5	15.0	M20 X 1.5	14.3	780DT1T1	1/2"	0.79	1/2"	14.3	36.0	41.0	45.1	7
780DM3M3	M25 X 1.5	15.0	M25 X 1.5	20.1	780DT2T2	3/4"	0.80	3/4"	20.1	36.0	46.0	50.6	10
780DM4M4	M32 X 1.5	15.0	M32 X 1.5	26.4	780DT3T3	1"	0.98	1"	26.4	36.0	52.0	57.2	15
780DM5M5	M40 X 1.5	15.0	M40 X 1.5	32.6	780DT4T4	1-1/4"	1.01	1-1/4"	32.6	36.0	60.0	66.0	25
780DM6M6	M50 X 1.5	15.0	M50 X 1.5	44.2	780DT5T5	1-1/2"	1.03	1-1/2"	40.3	36.0	70.1	77.1	30
780DM7M7	M63 X 1.5	15.0	M63 X 1.5	56.1	780DT6T6	2"	1.06	2"	50.4	36.0	79.0	86.9	45
780DM8M8	M75 X 1.5	15.0	M75 X 1.5	68.1	780DT7T7	2-1/2"	1.57	2-1/2"	60.0	41.0	89.9	98.9	45
780DM9M9	M90 X 2.0	24.0	M90 X 2.0	80.1	780DT8T8	3"	1.63	3"	75.0	41.0	110.0	121.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference, Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"