

# INSULATED ADAPTOR

Ex db, Ex eb, Ex tb, Ex nR, IP65/66/68

for General Industrial and Hazardous Area Installations



## Features and Benefits

- Precision manufactured from high-quality brass (Marine Grade Electroless Nickel Plated™) available in stainless steel 316/316L on request.
- Insulator manufactured from Nylon
- Providing electrical insulation between a cable gland or conduit fitting and an electrical apparatus.



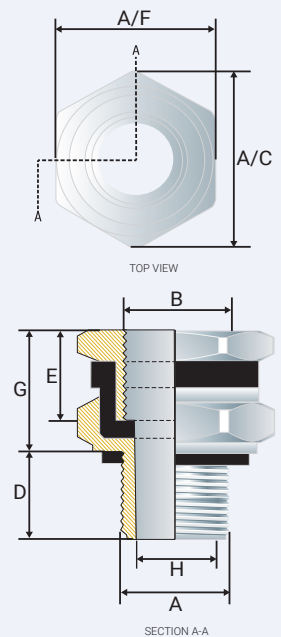
## Technical Data

Type:	Insulated Adaptor
Material:	Brass (Marine Grade Electroless Nickel Plated™), Stainless Steel 316/316L Insulator manufactured from Nylon
Gasket material:	Standard HDPE
Note:	The installer should check that the materials are suitable for the installation environment.

## Standards and Certifications

Equipment Protection Levels: IECEx: Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIC Db / Ex nR IIC Gc  
ATEX: II 2 GD, Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIC Db  
TR CU: 1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex tb IIC Db X

Conformance:	Standard:	Certificate:
IECEX	IEC 60079 Part 0, 1, 7, 15, 31 IEC 60079 Part 0, 1, 7, 31	IECEX CML 16.0062X IECEX ITA 13.0005X
ATEX	EN 60079 Part 0, 1, 7, 31	CML15ATEX1040X
TR CU (Russia)	ГОСТ Р МЭК 60079-0, 7, 31 ГОСТ IEC 60079-1	TC RU C-ZA.ME92.B.00695
SANS/IEC	IEC 60079 Part 0,1, 7, 31 IEC 60529	MASC MS/15-1153X
IP66/68 2m - Parallel IP65/66 - Tapered	IEC 60529 IEC 60529	CML 15ATEX1040X



## Conditions for Safe Use

- An IP rating of IP 66/68 is maintained for units with parallel threads when used with the supplied washer. (IP65 for tapered threads)
- A service temperature range of -20°C to +95°C should not be exceeded.
- A blanking element may not be used on an Insulated Adaptor.

Product Code	Male Thread "A"	Female Thread "B"	Hexagonal Detail		Male Thread Length Min "D"	Female Thread Length Min "E"	Dim "G"	Dia "H"	*Install. Torque Value Nm
			Max 'Flats'	Max 'Crns'					
AM016M016-INSA	M16	M16	27.0	30.4	15.0	15.0	27.0	9.5	40.0
AM020M020-INSA	M20	M20	32.0	36.0	15.0	15.0	24.0	15.0	40.0
AM025M025-INSA	M25	M25	38.0	42.8	15.0	15.0	24.0	20.5	55.0
AM032M032-INSA	M32	M32	45.0	50.6	15.0	15.0	24.0	27.0	65.0
AM040M040-INSA	M40	M40	52.0	58.5	15.0	15.0	28.0	35.0	80.0
AM050M050-INSA	M50	M50	65.0	73.1	15.0	15.0	28.0	45.0	100.0
AM063M063-INSA	M63	M63	80.0	90.0	15.0	15.0	32.0	57.0	115.0
AM075M075-INSA	M75	M75	96.0	108.0	15.0	15.0	35.0	68.0	140.0
AM080M080-INSA	M80	M80	96.0	108.0	20.0	20.0	35.0	74.0	160.0
AM090M090-INSA	M90	M90	110.0	124.9	20.0	20.0	40.0	82.0	180.0
AM100M100-INSA	M100	M100	125.0	140.6	20.0	20.0	45.0	92.0	200.0
AN012N012-INSA	1/2" NPT	1/2" NPT	35.0	39.4	15.0	15.0	24.0	9.5	40.0
AN034N034-INSA	3/4" NPT	3/4" NPT	40.0	45.0	15.0	15.0	24.0	15.0	55.0
AN001N001-INSA	1" NPT	1" NPT	47.0	52.9	15.0	18.0	24.0	20.5	65.0
AN114N114-INSA	1-1/4" NPT	1-1/4" NPT	55.0	61.9	15.0	19.0	28.0	27.0	80.0
AN112N112-INSA	1-1/2" NPT	1-1/2" NPT	65.0	73.1	15.0	19.0	28.0	35.0	100.0
AN002N002-INSA	2" NPT	2" NPT	80.0	90.0	15.0	25.0	32.0	45.0	115.0
AN212N212-INSA	2-1/2" NPT	2-1/2" NPT	96.0	108.0	15.0	25.0	35.0	57.0	140.0
AN003N003-INSA	3" NPT	3" NPT	111.0	124.9	15.0	27.0	40.0	68.0	160.0
AN312N312-INSA	3-1/2" NPT	3-1/2" NPT	125.0	140.6	20.0	29.0	45.0	74.0	180.0
AN004N004-INSA	4" NPT	4" NPT	140.0	157.5	20.0	29.0	45.0	82.0	200.0

All dimensions except NPT are in mm. Insulated adaptors can be supplied with BSP/BSPT threads and with the female thread any size smaller than the male thread. \* Torque value should be chosen based on the largest thread.

CCG reserves the right to make alterations to the technical data, dimensions, designs and products available without notice. The illustrations cannot be considered binding. Please contact CCG for assistance.

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