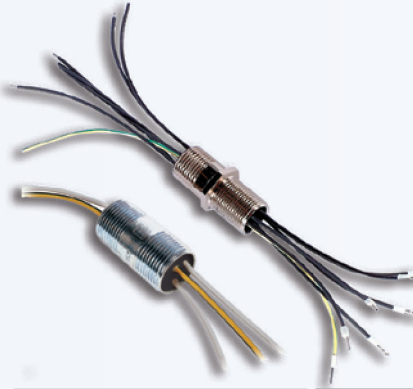


NPS sealing nipples

The sealed nipples are used to connect explosion-proof enclosures. The cables are sealed through a two-component resin set around each conductor.

Note: Please refer to the Sales Office for the available cables arrangements.



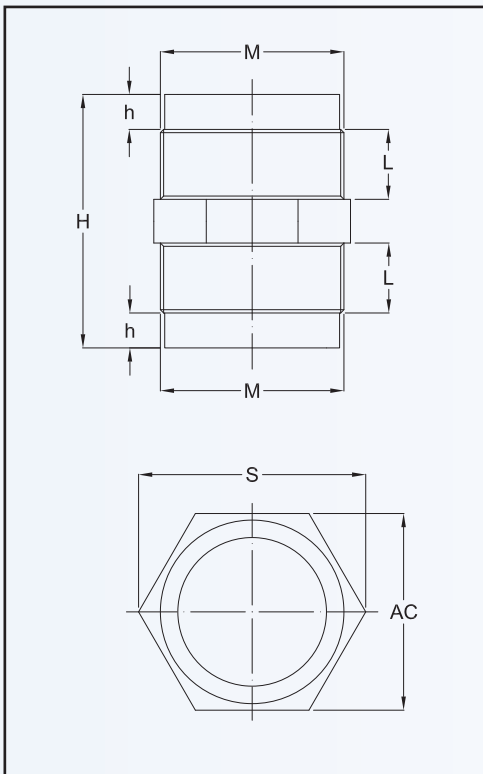
Classification: 2014/34/UE	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD Ex d IIC Gb Ex tb IIIC Db IP66/67	
Certification:	ATEX	CESI 01 ATEX 080U
	IECEX	IECEX CES 10.0003U <small>All IEC Ex and TR CU certification data contact comm@antideflagentigce.com</small>
	TR CU	AVAILABLE

Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2014-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE
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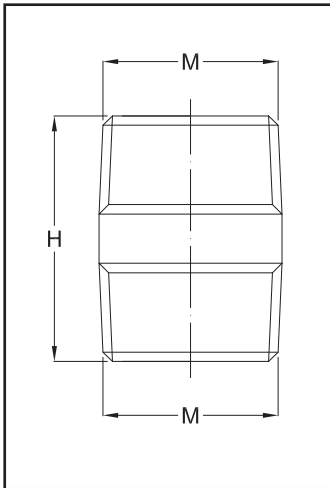
Operating temperature:	-50°C +110°C
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Degree of protection:	IP66/67
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Certificates are available on comm@antideflagentigce.com



SELECTION TABLE OF ISO METRIC SEALED NIPPLES						
Code In brass	ISO METRIC thread	Dimensions in mm				
		M	H	L	h	S
NPS10	M10x1,5	54	16	8	14	16,5
NPS12	M12x1,5				16	19
NPS16	M16x1,5				20	23,5
NPS20	M20x1,5				24	28
NPS24	M24x1,5				30	34,5
NPS25	M25x1,5				30	34,5
NPS32	M32x1,5				36	42
NPS33	M33x1,5				36	42
NPS36	M36x1,5				40	46,5
NPS38	M38x1,5				42	48,5
NPS40	M40x1,5				45	52
NPS42	M42x1,5				45	52



SELECTION TABLE OF ISO 7/1 SEALED NIPPLES		
Code In galvani- sed steel	Thread	Dimensions mm
	M	H
NPS1	1/2" ISO 7/1	48
NPS2	3/4" ISO 7/1	48
NPS3	1" ISO 7/1	60
NPS4	1 1/4" ISO 7/1	55
NPS5	1 1/2" ISO 7/1	55

SELECTION TABLE OF NPT SEALED NIPPLES		
Code In galvani- sed steel	Thread	Dimensions mm
	M	H
NPS1N	1/2" NPT	48
NPS2N	3/4" NPT	48
NPS3N	1" NPT	60
NPS4N	1 1/4" NPT	55
NPS5N	1 1/2" NPT	55

Order method for sealing nipples

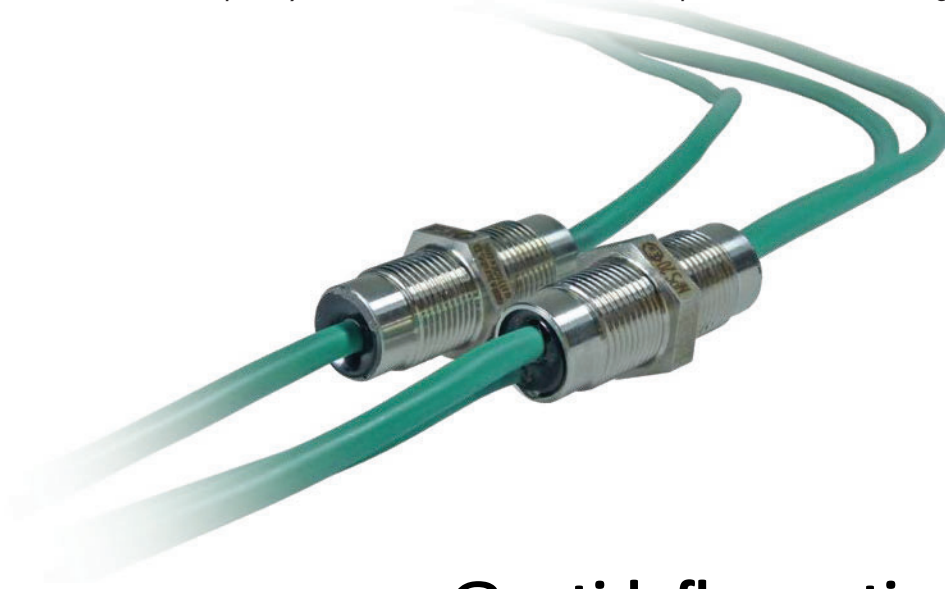
- 1 Indicate the NPS model based on the necessary thread type
- 2 Indicate amount, section, color of cables to be sealed in the nipple
- 3 Indicate the cables length on the two sides
- 4 Indicate the total amount of necessary sealed nipples

TECHNICAL NOTES:

- The maximum quantity as well as the kind of usable cables are specified on "Maximum quantity and wires type tables" in the following pages
- Available the installation of terminals or connectors
- Possible numeration of cables
- Possible to strip the cables' extremities
- Available also in stainless steel
- Available also in galvanised steel
- It is possible to supply sealing nipples with mixed thread
- Request the lock nuts for the sealing nipples with ISO metric thread

Upon request it's possible to supply sealing nipples with cables for thermocouples K type

- The maximum quantity and the kind of usable wires are specified on the following pages



TP sealed bushings for multicables with a threaded joint

The sealing bushings are used to connect explosion-proof enclosures. The cables are sealed through a two-component resin set around each conductor.



Classification: 2014/34/UE	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	
Marking:	CE 0722 Ex II 2 G Ex d IIC Gb	
Certification:	ATEX	CESI 01 ATEX 080
	IECEX	IECEX CES 10.0003U <small>All IEC Ex and TR CU certification data contact comm@antideflagranticge.com</small>
	TR CU	AVAILABLE

Standards:

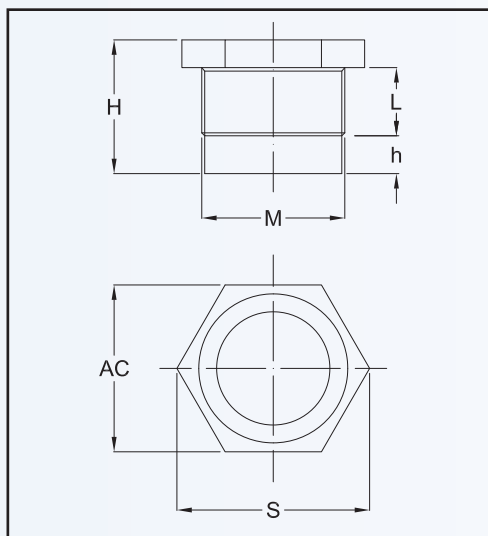
CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE
IEC60079-0: 2011, IEC60079-1: 2014-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE



Operating temperature:

-50°C +110°C

Certificates are available on comm@antideflagranticge.com



SELECTION TABLE OF SEALING BUSHINGS WITH THREADED JOINT

Code In brass	ISO METRIC thread	Dimensions in mm				
		M	H	L	h	AC
TP	10	30	15	9	14	16,5
TP	12				16	19
TP	16				20	23,5
TP	24				28	32,5
TP	25				30	34,5
TP	33				36	42
TP	36				40	46,5
TP	38				42	48,5
TP	42				45	52

Order method for sealing bushings

- 1 Indicate the TP model based on the necessary thread type
- 2 Indicate amount, section, color of cables to be sealed in the nipple
- 3 Indicate cable length on the two sides
- 4 Indicate the total amount of necessary sealing nipples

TECHNICAL NOTES:

- The maximum quantity as well as the kind of usable cables are specified on "Maximum quantity and wires type tables" in the following pages
- Possible to strip the cables' extremities
- Available also in stainless steel
- Request the lock nuts for the block of the sealing bushings

The sealing bushings are used to connect explosion-proof enclosures. The cables are sealed through a two-component resin set around each conductor.



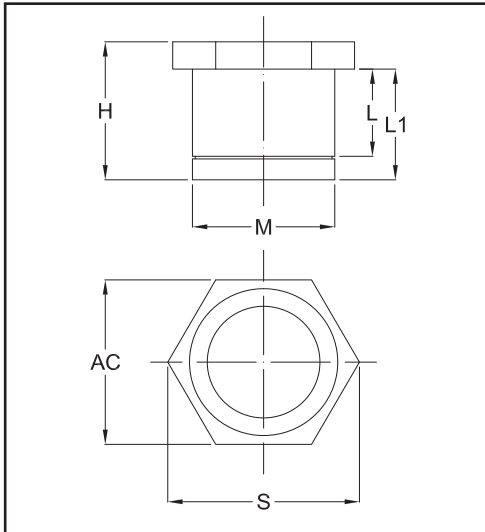
Classification: 2014/34/UE	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	
Marking:	CE 0722 Ex II 2 G Ex d IIC Gb	
Certification:	ATEX	CESI 01 ATEX 080
	IECEX	IECEX CES 10.0003U
	TR CU	AVAILABLE

All IEC Ex and TR CU certification data contact comm@antideflagrantiqce.com

Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2014-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE
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Operating temperature:	-50°C +110°C
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Certificates are available on comm@antideflagrantiqce.com



SELECTION TABLE OF SEALING BUSHINGS WITH CYLINDRICAL JOINT							
Code In brass	ISO METRIC thread	Dimensions in mm					
		M	H	L	L1	AC	S
CP	10		35	25,5	29	14	16,5
CP	12					16	19
CP	16					20	23,5
CP	24					28	32,5
CP	29					32	37
CP	33					36	42
CP	36					40	46,5
CP	38					42	48,5
CP	42					45	52

Order method for sealing bushings

- 1 Indicate the TP model based on the necessary thread type
- 2 Indicate amount, section, color of cables to be sealed in the nipple
- 3 Indicate cable length on the two sides
- 4 Indicate the total amount of necessary sealing nipples

TECHNICAL NOTES:

- The maximum quantity as well as the kind of usable cables are specified on "Maximum quantity and wires type tables" in the following pages
- Possible to strip the cables' extremities
- Available also in stainless steel
- Request the lock nuts for the block of the sealing bushings

Maximum quantity and wires type tables

Max. N. of wires	Wires size mm ²	Rated current for continuous usage for max. temperature of 40°C	Rated Voltage	Thread size for TP - NPS		CP cylindrical Joint size
1 1 3 5 6 6 8 12 15 15 48	0,75	10 A	750 V	M10x1,5 M12x1,5 M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M36x1,5 M38x1,5 M42x1,5	1/8" 1/4" 3/8" 1/2" - 3/4" - 1" - - 1 1/4" - 1 1/2"	Ø 10 Ø 12 Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42
1 1 3 5 6 6 8 12 15 15 21	1	12 A	1000 V	M10x1,5 M12x1,5 M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M36x1,5 M38x1,5 M42x1,5	1/8" 1/4" 3/8" 1/2" - 3/4" - 1" - - 1 1/4" - 1 1/2"	Ø 10 Ø 12 Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42
1 1 3 5 6 6 8 12 15 36	1,5	15 A		M10x1,5 M12x1,5 M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M38x1,5 M42x1,5	1/8" 1/4" 3/8" 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2"	Ø 10 Ø 12 Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 38 Ø 42
1 3 3 3 5 12 12 21 24	2,5	20 A		M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M38x1,5 M42x1,5	3/8" 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2"	Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 38 Ø 42
1 2 3 3 5 6 8 8 18	4	27 A		M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M36x1,5 M38x1,5 M42x1,5	3/8" 1/2" - 3/4" - 1" - - 1 1/4" - 1 1/2"	Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42
1 2 2 2 4 6 6 6 6 12	6	35 A		M16x1,5 M20x1,5 M24x1,5 M25x1,5 - M33x1,5 M38x1,5 M42x1,5	3/8" 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2"	Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 38 Ø 42
1 3 6 6 6	10	49 A		M24x1,5 M33x1,5 M36x1,5 M38x1,5 M42x1,5	3/4" 1" - - 1 1/4" - 1 1/2"	Ø 24 Ø 33 Ø 36 Ø 38 Ø 42



Maximum quantity and wires type tables

Max. N. of wires	Wires size mm ²	Rated current for continuous usage for max. temperature of 40°C	Rated Voltage	Thread size for TP - NPS	CP cylindrical Joint size
1 1 3 6 6 6	16	65 A	1000 V	M24x1,5 - M25x1,5 3/4" M33x1,5 1" M36x1,5 - M38x1,5 - M42x1,5 1 1/4" - 1 1/2"	Ø 24 Ø 25 Ø 33 Ø 36 Ø 38 Ø 42
1 1 3	25	86 A		M24x1,5 - M25x1,5 3/4" M42x1,5 1 1/4" - 1 1/2"	Ø 24 Ø 25 Ø 42
1 1 3	35	107 A		M24x1,5 - M25x1,5 3/4" M42x1,5 1 1/4" - 1 1/2"	Ø 24 Ø 25 Ø 42
1 1 1	50	132 A		M24x1,5 - M25x1,5 3/4" M33x1,5 1"	Ø 24 Ø 25 Ø 33
1 1	70	165 A		M33x1,5 1" M36x1,5 -	Ø 33 Ø 36

Rated voltage 750V					
Max. N. of wires	Wires size mm ²	Rated current for continuous usage for max. temperature of 40°C	Thread size for TP - NPS		CP cylindrical joint size
3 3 8 12 16 16 20 20 25 35 45	0,5	5 A	M10x1,5 1/8" M12x1,5 1/4" M16x1,5 3/8" M20x1,5 1/2" M24x1,5 - M25x1,5 3/4" - M33x1,5 1" M36x1,5 - M38x1,5 - M42x1,5 1 1/4" - 1 1/2"	Ø 10 Ø 12 Ø 16 - Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42	

Wire capacity range with cables for thermocouples K type - Rated current 100/100V					
Max. N. of wires	Wires size mm ²	Operating temperature	Thread size for TP - NPS		CP cylindrical joint size
1 1 2 2 5 5 7 7 9	2 x 0,22 2 x 0,50 2 x 0,80	110°C	M12x1,5 M16x1,5 M24x1,5 M25x1,5 M33x1,5 M36x1,5 M38x1,5 M42x1,5	Ø 12 Ø 16 Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42	
1 2 2 4 5 7 7 9	2 x 1,00		M16x1,5 M24x1,5 M25x1,5 M33x1,5 M36x1,5 M38x1,5 M42x1,5	Ø 16 Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42	
1 2 2 4 5 7 7 9	2 x 1,30 2 x 1,50		M16x1,5 M24x1,5 M25x1,5 M33x1,5 M36x1,5 M38x1,5 M42x1,5	Ø 16 Ø 24 Ø 25 Ø 29 Ø 33 Ø 36 Ø 38 Ø 42	

TECHNICAL NOTES:

- The rated current specified in the tables refers to a temperature of 40°C
- For other service temperatures up to 110°C, the derating of current must be evaluated by the end user.
- The resin must fill at least 20% of section (60079-1)
- For the type of cable allowed, please refer to the certificate