



THE DATASHEET OF AIO-CSM25



Amphenol®



Amphenol® Industrial Cable Glands

Amphenol Industrial Global Operations introduces a series of commercial liquid tight cable glands available both with Metric and PG threads, Metallic and Non-Metallic. These glands are suitable for a wide range of applications from manufacturing machinery to measurement and control equipment, like automation and robotics. These glands can connect to Amphenol Industrial Global Operations circular products with adaptors or be used individually. The commercial cable glands have been successfully used at major OEMs.

Features:

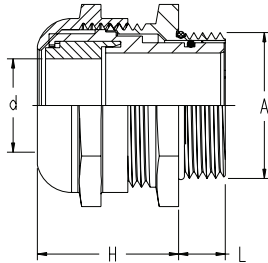
- Complete line of Metal and Nylon Industrial cable glands available
- Entry threads range from PG7 through PG48 and M12x1.5 through M90x2
- IP68 Rated
- Temp Range: -20°C~+105°C
- UL 94V-2 approved material

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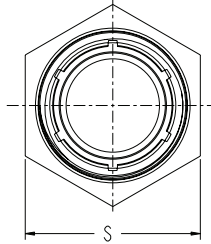
Nylon Cable Glands

Material: Nylon 66 (UL Approved 94V-2)
 Seal Ring: UL 94V-2(UL Approved 94V-2)
 Thread Type: Metric, PG, NPT
 Temp Range: Static: - 40°C ~ +100°C
 Dynamic: - 20°C ~ + 80°C
 Short Term: +120°C
 Current Colors: Gray, Black



Metal Cable Glands

Material: Brass with Nickel; Brass with Tin/Nickel
 Clamping: UL approved PA6, 94V-0
 Seal Ring: UL 94V-2 (UL approved NBR, 94V-2; UL approved DOW CORNING RUBBER, 94V-0)
 Thread Type: Metric, PG, NPT
 Protective: IP68 (tighten with o-ring)
 Temp Range: - 40°C ~ +100°C
 Torque Value (N-M) of hex and cap nuts: 3.0-4.5 N-M, M12, M16, M20 are UL recognized under file # E339605



Nylon Cable Glands

AIGO Part	Thread "A"	Max "d" (mm)	Cable Range (mm)	Thread "L" (mm)	Clamp "H" (mm)	Spanner "S" (mm)
AIO-CSM12	M12x1.5	8	3 – 6.5	8	20	15
AIO-CSM16	M16x1.5	8	4 – 8	8	22	19
AIO-CSM18	M18x1.5	10	5 – 10	9	25	22
AIO-CSM20	M20x1.5	12	6 – 12	9	30	24
AIO-CSM22	M22x1.5	14	10 – 14	10	30	27
AIO-CSM24	M24x1.5	14	10 – 14	10	30	27
AIO-CSM25	M25x1.5	18	13 – 18	10	30	33
AIO-CSM30	M30x2.0	18	13 – 18	11	33	33
AIO-CSM32	M32x1.5	25	18 – 25	11	38	42
AIO-CSM33	M33x2.0	25	18 – 25	11	39	42
AIO-CSM40	M40x1.5	32	22 – 32	13	48	54
AIO-CSM50	M50x1.5	38	32 – 38	14	50	60
AIO-CSM72	M72x2.0	57	51 – 57	16	75	80
AIO-CSIN1/2	NPT1/2"	12	6 – 12	13.6	28	24
AIO-CSIN3/4	NPT3/4"	18	13 – 18	14.1	32	33
AIO-CSIN3/2	NPT1 1/2"	32	22 – 32	17.3	50	54
AIO-CSGIN1/2	G1/2"	12	6 – 12	9	26	24
AIO-CSGIN3/4	G3/4"	18	13 – 18	11	27	33
AIO-CSGIN1	G1"	25	18 – 25	11	33	42
AIO-CSGIN5/4	G1 1/4"	28	21 – 28	13	48	54
AIO-CSGIN3/2	G1 1/2"	32	22 – 32	13	48	54
AIO-CSGIN5/2	G2 1/2"	57	51 – 57	14	75	80
AIO-CSPG7	PG7	6.5	3 – 6.5	8	20	15
AIO-CSPG9	PG9	8	4 – 8	8	22	19
AIO-CSPG11	PG11	10	5 – 10	8	24	22
AIO-CSPG13.5	PG13.5	12	6 – 12	9	26	24
AIO-CSPG16	PG16	14	10 – 14	10	28	27
AIO-CSPG21	PG21	18	13 – 18	11	33	33
AIO-CSPG29	PG29	25	18 – 25	11	38	42
AIO-CSPG36	PG36	32	22 – 32	13	48	54
AIO-CSPG42	PG42	38	32 – 38	14	52	60

For additional information on other products available refer to our Cord Grips & Cable Glands, Catalog 12-055.

Metal Cable Glands

AIGO Part	Thread "A"	Max "d" (mm)	Cable Range (mm)	Thread "L" (mm)	Clamp "H" (mm)	Spanner "S" (mm)
AIO-CSJM12	M12x1.5	6.5	3 – 6.5	6.2	15	14
AIO-CSJM14	M14x1.5	8	4 – 8	5	19	15
AIO-CSJM16	M16x1.5	9	6 – 9	6.3	20	18
AIO-CSJM18	M18x1.5	10	5 – 10	7	20	22
AIO-CSJM20	M20x1.5	12	6 – 12	8.3	20	22
AIO-CSJM22	M22x1.5	14	10 – 14	8	24	24
AIO-CSJM24	M24x1.5	14	10 – 14	8	24	27
AIO-CSJM25	M25x1.5	18	13 – 18	7.8	23	30
AIO-CSJM27	M27x2.0	18	13 – 18	8	26	30
AIO-CSJM30	M30x2.0	18	13 – 18	8	26	32
AIO-CSJM32	M32x1.5	25	18 – 25	10	27	40
AIO-CSJM36	M36x2.0	25	18 – 25	10	34	40
AIO-CSJM40	M40x1.5	32	22 – 32	10	39	50
AIO-CSJM50	M50x1.5	38	32 – 38	11	39	60
AIO-CSJM63	M63x1.5	44	37 – 44	12	43	67
AIO-CSJM72	M72x2.0	52	46 – 52	16	47	75
AIO-CSJM80	M80x2.0	60	52 – 60	20	57	90
AIO-CSJM90	M90x2.0	70	62 – 70	20	57	100
AIO-CSJIN1/2	NPT1/2"	12	6 – 12	13.6	25	24
AIO-CSJIN3/4	NPT3/4"	18	13 – 18	14.1	26	30
AIO-CSJIN5/4	NPT1 1/4"	32	22 – 32	17.3	41	50
AIO-CSJIN3/2	NPT1 1/2"	32	22 – 32	17.3	46	50
AIO-CSJIN2	NPT2"	44	37 – 44	17.7	46	65
AIO-CSJIN5/2	NPT2 1/2"	52	46 – 52	23.7	58	80
AIO-CSJIN3	NPT3"	70	62 – 70	26	58	100
AIO-CSJGIN1/2	G1/2"	12	6 – 12	8	24	24
AIO-CSJGIN3/4	G3/4"	18	13 – 18	8	27	30
AIO-CSJGIN1	G1"	25	18 – 25	10	34	40
AIO-CSJGIN5/4	G1 1/4"	32	22 – 32	10	39	50
AIO-CSJGIN3/2	G1 1/2"	32	22 – 32	10	39	50
AIO-CSJGIN2	G2"	44	37 – 44	12	44	65
AIO-CSJGIN5/2	G2 1/2"	52	46 – 52	16	47	82
AIO-CSJPG7	PG7	6.5	3 – 6.5	6	18	14
AIO-CSJPG9	PG9	8	4 – 8	7	21	18
AIO-CSJPG11	PG11	10	5 – 10	7	20	22
AIO-CSJPG13.5	PG13.5	12	6 – 12	8	24	22
AIO-CSJPG16	PG16	14	10 – 14	8	25	24
AIO-CSJPG21	PG21	18	13 – 18	8	26	30
AIO-CSJPG36	PG36	32	22 – 32	10	38	50
AIO-CSJPG42	PG42	38	32 – 38	11	42	60
AIO-CSJPG48	PG48	44	37 – 44	12	44	65

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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