

231-100-H0

Wall Mount Hermetic Receptacle

MIL-DTL-38999 Series I Type



How To Order: Commercial

Connector Series
231 - Series I Type

Shell Style
H0 - Hermetic Wall Mount

Shell Size
09, 11, 13, 15, 17, 19, 21, 23, 25

Contact Termination
P - Pin, Solder Cup S - Socket, Solder Cup
X - Pin, Eyelet Z - Socket, Eyelet
C - Pin, PCB D - Socket, PCB
Flex Feedthrough

231 - 100 - H0

Z1 11 - 35

P N

231-100-H0
Supersedes original
DLA equivalent part
number 231-001

Connector Type
100 - Hermetic
Receptacle

Connector Material / Finish
ZL - CRES, Nickel
Z1 - CRES, Passivated
FT - Carbon Steel, Fused Tin

Insert Arrangement
Per MIL-STD-1560;
See Pages B-2 - B-4

Alternate Key Position
A, B, C, D,
(N = Normal)

TABLE I: CONNECTOR DIMENSIONS

SHELL SIZE	A BSC	B SQ ±.016(0.4)	ø C HOLES .123(3.1)	D THREADS
9/09	.719(18.3)	.938(23.8)	.133(3.4) .123(3.1)	.6875-24 UNEF-2A
11	.812(20.6)	1.031(26.2)	.133(3.4) .123(3.1)	.8125-20 UNEF-2A
13	.906(23.0)	1.125(28.6)	.133(3.4) .123(3.1)	.9375-20 UNEF-2A
15	.969(24.6)	1.219(31.0)	.133(3.4) .123(3.1)	1.0625-18 UNEF-2A
17	1.062(27.0)	1.312(33.3)	.133(3.4) .123(3.1)	1.1875-18 UNEF-2A
19	1.156(29.4)	1.438(36.5)	.133(3.4) .123(3.1)	1.3125-18 UNEF-2A
21	1.250(31.8)	1.562(39.7)	.133(3.4) .123(3.1)	1.4375-10 UNEF-2A
23	1.375(34.9)	1.688(42.9)	.157(4.0) .142(3.6)	1.5625-18 UNEF-2A
25	1.500(38.1)	1.812(46.0)	.157(4.0) .142(3.6)	1.6875-18 UNEF-2A

TABLE I (CONTINUED):
CONNECTOR DIMENSIONS

SHELL SIZE	ø G HOLES ±.005(0.1)	ø H MIN	ø J MIN	K ±.005(0.1)
9/09	.128(3.3)	.656(16.7)	.697(17.7)	.719(18.3)
11	.128(3.3)	.796(20.2)	.822(20.9)	.812(20.6)
13	.128(3.3)	.921(23.4)	.947(24.1)	.906(23.0)
15	.128(3.3)	1.047(26.6)	1.072(27.2)	.968(24.6)
17	.128(3.3)	1.218(30.9)	1.197(30.4)	1.062(27.0)
19	.128(3.3)	1.296(32.9)	1.322(33.6)	1.156(29.4)
21	.128(3.3)	1.421(36.1)	1.447(36.8)	1.250(31.8)
23	.154(3.9)	1.546(39.3)	1.572(39.9)	1.375(34.9)
25	.154(3.9)	1.672(42.5)	1.697(43.1)	1.500(38.1)

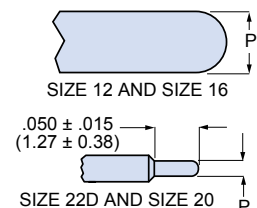
Dimensions in Inches (millimeters) are subject to change without notice.

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

TABLE II: CONTACT SIZE

PRINTED CIRCUIT TAIL
CONFIGURATIONS
CONTACT STYLE C AND D



Contact Size	ø P
22D	.011 (0.28) .015 (0.38)
20	.024 (0.61) .028 (0.71)
16	.0635 (1.61) .0615 (1.56)
12	.095 (2.41) .093 (2.36)

WIRE ACCOMODATION

Contact Size	Wire Guage
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

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