

M85049/3 Environmental Backshell - Style 3

Ry85049 Series • M85049 Type Backshells



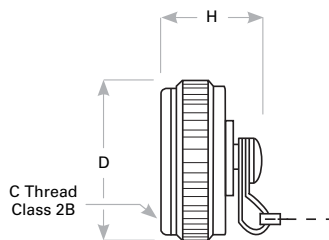
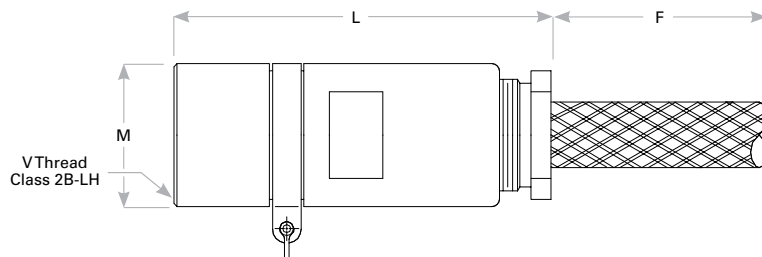
Ry85049/3 Compatibility

Compatible Connector Series

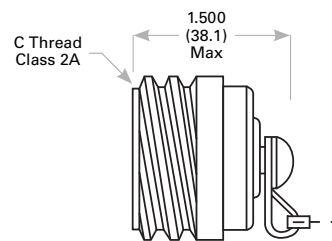
MIL-DTL-22992 Classes C, J, & R

Ry85049/3 W 16 A 3

- 1 **BASIC PART NUMBER**
Ry85049/3
 M85049/3 Style 3 & AS85049/3 type
 Straight environmental backshell
 (Supersedes MS17340/MS90571 Style 3)
- 2 **MATERIAL & FINISH**
W Aluminum, olive drab cadmium
A Aluminum, black anodize
X Aluminum, nickel fluorocarbon polymer
Y Aluminum, pure dense electrodeposited aluminum
Z Aluminum, zinc-nickel
- 3 **DASH NO.**
 See dimensions table below
- 4 **TYPE**
A Plug cap (For use with MS17344 type connectors)
B Receptacle Cap (For use with MS17343, MS17345, & MS17347 type connectors)
- 5 **STYLE**
3 Style 3



Type B With Receptacle Cover



Type A With Plug Cover

(Continued on next page)

Rev. 1825

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Ry85049/3 Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B-LH	M	L Max	D Max	H Max	C Thread Class 2 (A & B)	F	Cable Clearance	
									Min	Max
1	12	0.7500 - 20 UNEF	0.933 (23.7)	2.935 (74.5)	1.094 (27.8)	0.765 (19.4)	0.875-0.1P-0.2L-DS	3.344 (84.9)	0.281 (7.1)	0.377 (9.6)
2	12	0.7500 - 20 UNEF	0.933 (23.7)	2.935 (74.5)	1.094 (27.8)	0.765 (19.4)	0.875-0.1P-0.2L-DS	3.344 (84.9)	0.219 (5.6)	0.281 (7.1)
3	14	0.8750 - 20 UNEF	1.057 (26.8)	3.248 (82.5)	1.219 (31.0)	0.765 (19.4)	1.000-0.1P-0.2L-DS	4.344 (110.3)	0.400 (10.2)	0.438 (11.1)
4	16	1.0000 - 20 UNEF	1.183 (30.0)	3.712 (94.3)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	5.188 (131.8)	0.511 (13.0)	0.605 (15.4)
5	16	1.0000 - 20 UNEF	1.183 (30.0)	3.712 (94.3)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	4.688 (119.1)	0.436 (11.1)	0.530 (13.5)
6	16	1.0000 - 20 UNEF	1.183 (30.0)	3.712 (94.3)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	3.688 (93.7)	0.316 (8.0)	0.405 (10.3)
7	18	1.1250 - 18 UNEF	1.307 (33.2)	4.024 (102.2)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	6.188 (157.2)	0.605 (15.4)	0.699 (17.8)
8	18	1.1250 - 18 UNEF	1.307 (33.2)	4.024 (102.2)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	6.188 (157.2)	0.560 (14.2)	0.625 (15.9)
9	18	1.1250 - 18 UNEF	1.307 (33.2)	4.024 (102.2)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	4.188 (106.4)	0.361 (9.2)	0.455 (11.6)
10	20	1.2500 - 18 UNEF	1.433 (36.4)	4.115 (104.5)	1.562 (39.7)	0.980 (24.9)	1.375-0.1P-0.2L-DS	6.688 (169.9)	0.715 (18.2)	0.828 (21.0)
11	20	1.2500 - 18 UNEF	1.433 (36.4)	4.115 (104.5)	1.562 (39.7)	0.980 (24.9)	1.375-0.1P-0.2L-DS	5.188 (131.8)	0.449 (11.4)	0.562 (14.3)
12	22	1.3750 - 18 UNEF	1.557 (39.5)	4.150 (105.4)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	7.188 (182.6)	0.787 (20.0)	0.900 (22.9)
13	22	1.3750 - 18 UNEF	1.557 (39.5)	4.150 (105.4)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	6.688 (169.9)	0.637 (16.2)	0.750 (19.1)
14	24	1.6250 - 18 UNEF	1.807 (45.9)	4.212 (107.0)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	7.688 (195.3)	0.984 (25.0)	1.109 (28.2)
15	24	1.6250 - 18 UNEF	1.807 (45.9)	4.212 (107.0)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	7.188 (182.6)	0.875 (22.2)	1.000 (25.4)
16	24	1.6250 - 18 UNEF	1.807 (45.9)	4.212 (107.0)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	6.688 (169.9)	0.755 (19.2)	0.880 (22.4)
17	28	1.8750 - 16 UN	2.057 (52.2)	4.275 (108.6)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	8.688 (220.7)	1.185 (30.1)	1.310 (33.3)
18	28	1.8750 - 16 UN	2.057 (52.2)	4.275 (108.6)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	8.188 (208.0)	1.105 (28.1)	1.230 (31.2)
19	28	1.8750 - 16 UN	2.057 (52.2)	4.275 (108.6)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	8.188 (208.0)	1.055 (26.8)	1.180 (30.0)
20	32	2.0625 - 16 UNS	2.307 (58.6)	4.337 (110.2)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	10.688 (271.5)	1.406 (35.7)	1.531 (38.9)
21	32	2.0625 - 16 UNS	2.307 (58.6)	4.337 (110.2)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	9.688 (246.1)	1.320 (33.5)	1.455 (37.0)
22	32	2.0625 - 16 UNS	2.307 (58.6)	4.337 (110.2)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	9.688 (246.1)	1.250 (31.8)	1.375 (34.9)
23	36	2.3125 - 16 UNS	2.557 (64.9)	4.399 (111.7)	2.719 (69.1)	0.980 (24.9)	2.500-0.1P-0.2L-DS	12.688 (322.3)	1.531 (38.9)	1.656 (42.1)
24	36	2.3125 - 16 UNS	2.557 (64.9)	4.399 (111.7)	2.719 (69.1)	0.980 (24.9)	2.500-0.1P-0.2L-DS	11.188 (284.2)	1.437 (36.5)	1.562 (39.7)
25	44	2.8750 - 16 UN	3.120 (79.2)	5.799 (147.3)	3.217 (81.7)	0.980 (24.9)	3.000-0.1P-0.2L-DS	17.188 (436.6)	2.105 (53.5)	2.250 (57.2)
26	44	2.8750 - 16 UN	3.120 (79.2)	5.799 (147.3)	3.217 (81.7)	0.980 (24.9)	3.000-0.1P-0.2L-DS	17.188 (436.6)	2.025 (51.4)	2.170 (55.1)

Dimensions are in inches (mm).