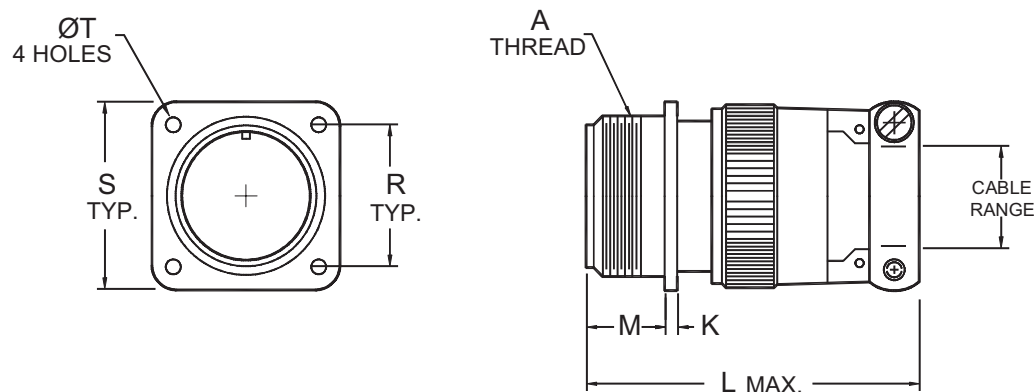


# WALL MOUNT RECEPTACLE

MS3100E, MS3100F



**MS3100E One (1) piece backshell, environmental, with grommet**

**MS3100F One (1) piece backshell, environmental, with grommet®**

| SHELL SIZE | A<br>COUPLING<br>THREAD CLASS 2A | K              |                | L<br>MAX.        | M<br>+.031 -.000<br>[+0.79] [-0.00] | R<br>±.005<br>[±0.13] | S<br>±.031<br>[±0.79] | T<br>+.010 -.005<br>[+0.25] [-0.13] | CABLE RANGE      |                  |
|------------|----------------------------------|----------------|----------------|------------------|-------------------------------------|-----------------------|-----------------------|-------------------------------------|------------------|------------------|
|            |                                  | MAX.           | MIN.           |                  |                                     |                       |                       |                                     | OPEN             | CLOSED           |
| 8S         | 1/2-28 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .594<br>[15.09]       | .875<br>[22.22]       | .120<br>[3.05]                      | .250<br>[6.35]   | .125<br>[3.18]   |
| 10S        | 5/8-24 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .719<br>[18.26]       | 1.000<br>[25.40]      | .120<br>[3.05]                      | .250<br>[6.35]   | .125<br>[3.18]   |
| 10SL       | 5/8-24 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .719<br>[18.26]       | 1.000<br>[25.40]      | .120<br>[3.05]                      | .312<br>[7.92]   | .125<br>[3.18]   |
| 12         | 3/4-20 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.625<br>[66.67] | .750<br>[19.05]                     | .812<br>[20.62]       | 1.094<br>[27.79]      | .120<br>[3.05]                      | .312<br>[7.92]   | .125<br>[3.18]   |
| 12S        | 3/4-20 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .812<br>[20.62]       | 1.094<br>[27.79]      | .120<br>[3.05]                      | .312<br>[7.92]   | .125<br>[3.18]   |
| 14         | 7/8-20 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.625<br>[66.67] | .750<br>[19.05]                     | .906<br>[23.01]       | 1.188<br>[30.18]      | .120<br>[3.05]                      | .438<br>[11.13]  | .250<br>[6.35]   |
| 14S        | 7/8-20 UNEF                      | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .906<br>[23.01]       | 1.188<br>[30.18]      | .120<br>[3.05]                      | .438<br>[11.13]  | .250<br>[6.35]   |
| 16         | 1-20 UNEF                        | .156<br>[3.96] | .062<br>[1.57] | 2.625<br>[66.67] | .750<br>[19.05]                     | .969<br>[24.61]       | 1.281<br>[32.54]      | .120<br>[3.05]                      | .562<br>[14.27]  | .312<br>[7.92]   |
| 16S        | 1-20 UNEF                        | .156<br>[3.96] | .062<br>[1.57] | 2.250<br>[57.15] | .562<br>[14.27]                     | .969<br>[24.61]       | 1.281<br>[32.54]      | .120<br>[3.05]                      | .562<br>[14.27]  | .312<br>[7.92]   |
| 18         | 1 1/8-18 UNEF                    | .203<br>[5.16] | .094<br>[2.39] | 2.688<br>[68.28] | .750<br>[19.05]                     | 1.062<br>[26.97]      | 1.375<br>[34.92]      | .120<br>[3.05]                      | .625<br>[15.88]  | .350<br>[8.89]   |
| 20         | 1 1/4-18 UNEF                    | .203<br>[5.16] | .094<br>[2.39] | 2.750<br>[69.85] | .750<br>[19.05]                     | 1.156<br>[29.36]      | 1.500<br>[38.10]      | .120<br>[3.05]                      | .750<br>[19.05]  | .500<br>[12.70]  |
| 22         | 1 3/8-18 UNEF                    | .203<br>[5.16] | .094<br>[2.39] | 2.750<br>[69.85] | .750<br>[19.05]                     | 1.250<br>[31.75]      | 1.625<br>[41.27]      | .120<br>[3.05]                      | .750<br>[19.05]  | .500<br>[12.70]  |
| 24         | 1 1/2-18 UNEF                    | .203<br>[5.16] | .094<br>[2.39] | 2.969<br>[75.41] | .812<br>[20.62]                     | 1.375<br>[34.92]      | 1.750<br>[44.45]      | .147<br>[3.73]                      | .938<br>[23.83]  | .625<br>[15.88]  |
| 28         | 1 3/4-18 UNS                     | .203<br>[5.16] | .094<br>[2.39] | 3.031<br>[76.99] | .812<br>[20.62]                     | 1.562<br>[39.67]      | 2.000<br>[50.80]      | .147<br>[3.73]                      | .938<br>[23.83]  | .625<br>[15.88]  |
| 32         | 2-18 UNS                         | .359<br>[9.12] | .125<br>[3.17] | 3.031<br>[76.99] | .875<br>[22.22]                     | 1.750<br>[44.45]      | 2.250<br>[57.15]      | .173<br>[4.39]                      | 1.250<br>[31.75] | .875<br>[22.23]  |
| 36         | 2 1/4-16 UN                      | .359<br>[9.12] | .125<br>[3.17] | 3.281<br>[83.34] | .875<br>[22.22]                     | 1.938<br>[49.23]      | 2.500<br>[63.50]      | .173<br>[4.39]                      | 1.375<br>[34.93] | 1.000<br>[25.40] |
| 40         | 2 1/2-16 UN                      | .359<br>[9.12] | .125<br>[3.17] | 3.500<br>[88.90] | .875<br>[22.22]                     | 2.188<br>[55.58]      | 2.750<br>[69.85]      | .173<br>[4.39]                      | 1.625<br>[41.28] | 1.250<br>[31.75] |

Dimensions in brackets [ ] are in millimeters.

⊙ Plug has "O" ring under coupling nut.