

Variant	Description (1)	For Use With (2)
59	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 0.8mm	ESCC 3401/029 Variants 01, 02
60	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 1.2mm	ESCC 3401/029 Variants 01, 02
61	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 1.6mm	ESCC 3401/029 Variants 01, 02
62	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 2mm	ESCC 3401/029 Variants 01, 02
63	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 2.4mm	ESCC 3401/029 Variants 01, 02
64	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 100, Panel Thickness 0.8mm	ESCC 3401/029 Variants 01, 02
65	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 100, Panel Thickness 1.2mm	ESCC 3401/029 Variants 01, 02
66	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 100, Panel Thickness 1.6mm	ESCC 3401/029 Variants 01, 02
67	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 100, Panel Thickness 2mm	ESCC 3401/029 Variants 01, 02
68	Screwlock for Connectors GMR7580, GMR7590 (Rear Panel Mounting), Shell Size 100, Panel Thickness 2.4mm	ESCC 3401/029 Variants 01, 02
69	Interfacial Seals for MDMA Female Connectors, Shell Size 51-2R	ESCC 3401/077 Variants 01, 02
70	Screwlock (Front Panel Mounting), Shell Size 9 to 69	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
71	Screwlock (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 0.8mm	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
72	Screwlock (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 1.2mm	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
73	Screwlock (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 1.6mm	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
74	Screwlock (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 2mm	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
75	Screwlock (Rear Panel Mounting), Shell Size 9 to 69, Panel Thickness 2.4mm	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
76	Screwlock Sub-Assembly (Rear Panel Mounting) for Lightweight Backshell, Shell Size 9 to 69, Panel Thickness 0.8mm	ESCC 3401/087 All Variants for the specified Shell Sizes
77	Screwlock Sub-Assembly (Rear Panel Mounting) for Lightweight Backshell, Shell Size 9 to 69, Panel Thickness 1.2mm	ESCC 3401/087 All Variants for the specified Shell Sizes
78	Screwlock Sub-Assembly (Rear Panel Mounting) for Lightweight Backshell, Shell Size 9 to 69, Panel Thickness 1.6mm	ESCC 3401/087 All Variants for the specified Shell Sizes
79	Screwlock Sub-Assembly (Rear Panel Mounting) for Lightweight Backshell, Shell Size 9 to 69, Panel Thickness 2mm	ESCC 3401/087 All Variants for the specified Shell Sizes
80	Screwlock Sub-Assembly (Rear Panel Mounting) for Lightweight Backshell, Shell Size 9 to 69, Panel Thickness 2.4mm	ESCC 3401/087 All Variants for the specified Shell Sizes
81	Screwlock Sub-Assembly for Lightweight Backshell, Shell Size 9 to 69 (No Panel)	ESCC 3401/087 All Variants for the specified Shell Sizes
82	Screwlock (Rear Panel Mounting) for Connectors FR136, FR139, Shell Size 9 to 51, Panel Thickness 0.8mm	ESCC 3401/029 Variants 01, 02
83	Screwlock (Rear Panel Mounting) for Connectors FR136, FR139, Shell Size 9 to 51, Panel Thickness 1.2mm	ESCC 3401/029 Variants 01, 02

84	Screwlock (Rear Panel Mounting) for Connectors FR136, FR139, Shell Size 9 to 51, Panel Thickness 1.6mm	ESCC 3401/029 Variants 01, 02
85	Screwlock (Rear Panel Mounting) for Connectors FR136, FR139, Shell Size 9 to 51, Panel Thickness 2mm	ESCC 3401/029 Variants 01, 02
86	Screwlock (Rear Panel Mounting) for Connectors FR136, FR139, Shell Size 9 to 51, Panel Thickness 2.4mm	ESCC 3401/029 Variants 01, 02
87	Dust Cap (Male) Size 9	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
88	Dust Cap (Female) Size 9	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
89	Dust Cap (Male) Size 15	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
90	Dust Cap (Female) Size 15	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
91	Dust Cap (Male) Size 21	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
92	Dust Cap (Female) Size 21	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
93	Dust Cap (Male) Size 25	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
94	Dust Cap (Female) Size 25	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
95	Dust Cap (Male) Size 31	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
96	Dust Cap (Female) Size 31	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
97	Dust Cap (Male) Size 37	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
98	Dust Cap (Female) Size 37	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
99	Dust Cap (Male) Size 51	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
100	Dust Cap (Female) Size 51	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
101	Dust Cap (Male) Size 51-2R	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02
102	Dust Cap (Female) Size 51-2R	ESCC 3401/029 Variants 01, 02 ESCC 3401/077 Variants 01, 02

NOTES:

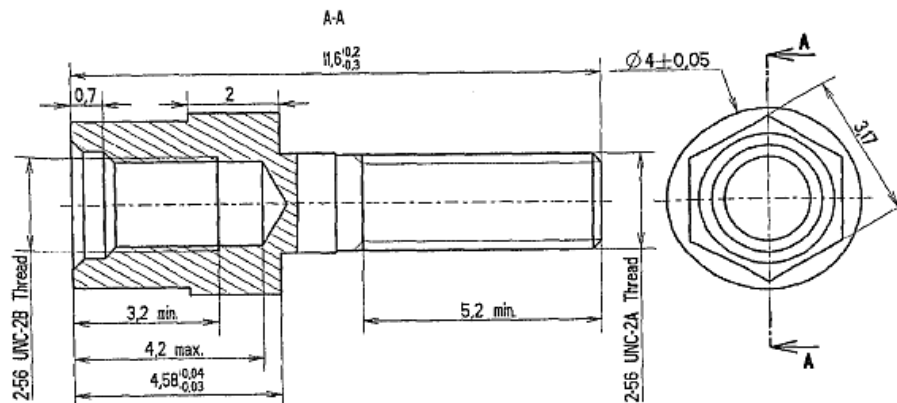
1. See Figure 2 for details.
2. The applicable shell sizes are the same as given in the description column (if specified in the referenced specification).

TABLE 1(b) - MAXIMUM RATINGS

No.	Characteristics	Symbol	Maximum Ratings	Unit
1	Operating Temperature Range	T _{op}	-55 to +125	°C
2	Storage Temperature Range	T _{stg}	-55 to +125	°C
3	Torque Value	T	See Figure 2	Nm

FIGURE 1

Not applicable.

VARIANT 70 - SCREWLOCK FRONT PANEL MOUNTING (FOR SHELL SIZE 9 TO 69)
Screwlock

NOTES:

1. All dimensions in mm.
2. Weight: Screwlock 0.51g
- 3.

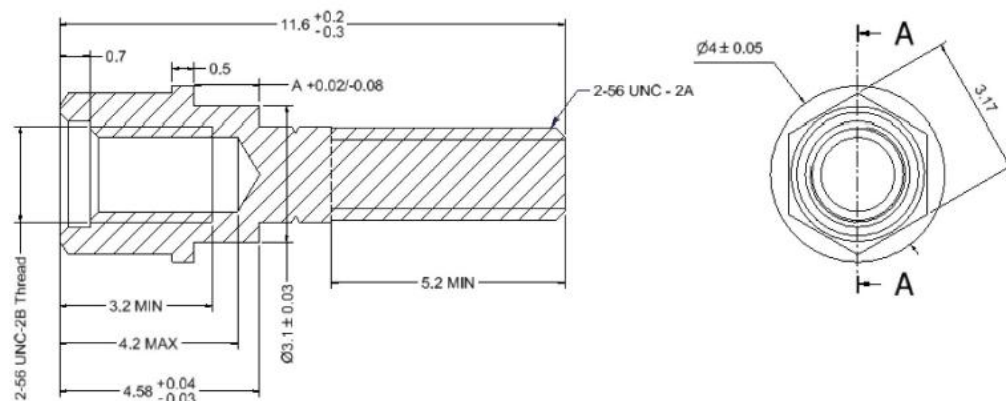
Torque Values	Min (Nm)	Max (Nm)
Screwlock male side	0.44	0.48
Screwlock female side	0.28	0.32

VARIANTS 71 TO 75 - SCREWLOCK REAR PANEL MOUNTING (FOR SHELL SIZE 9 TO 69)

PANEL THICKNESS 0.8 TO 2.4mm

Screwlock

Variant	71	72	73	74	75
Panel Thickness (+0.2 -0)	0.8	1.2	1.6	2	2.4
Dimension A	0.7	1.1	1.5	1.9	2.3


NOTES:

1. All dimensions in mm.
2. Weight: Screwlock 0.45g
- 3.

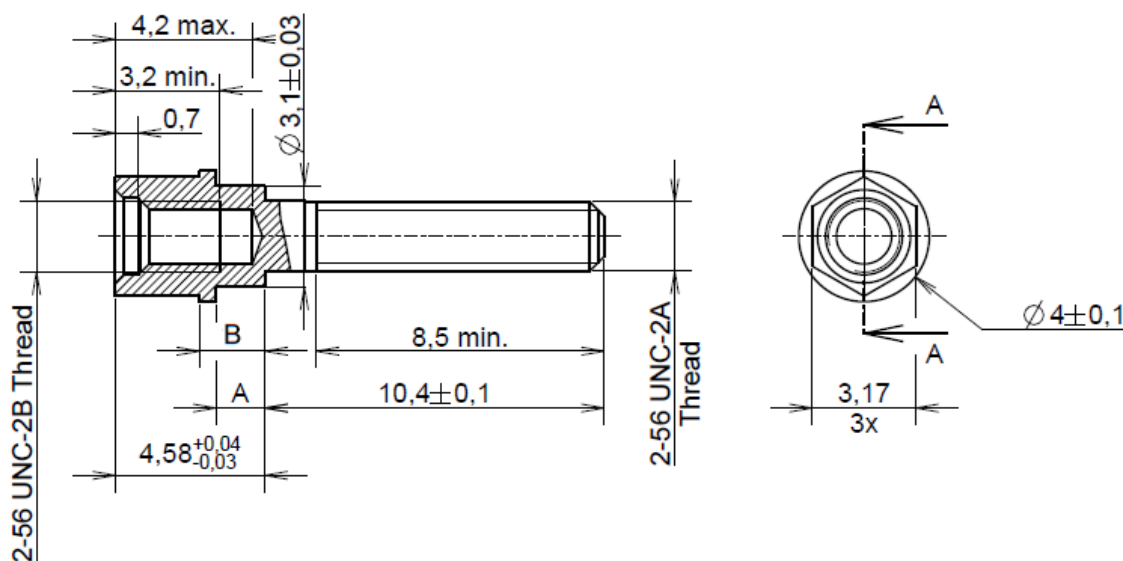
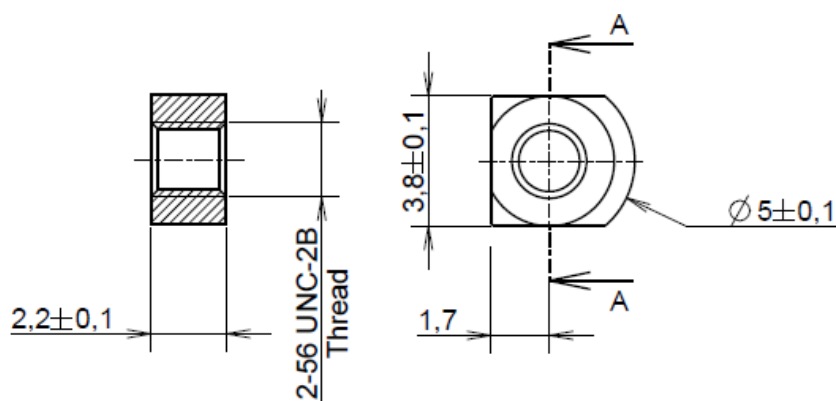
Torque Values	Min (Nm)	Max (Nm)
Screwlock male side	0.44	0.48
Screwlock female side	0.28	0.32

VARIANTS 76 TO 80 – SCREWLOCK SUB-ASSEMBLY (REAR PANEL MOUNTING) FOR LIGHTWEIGHT BACKSHELL

(SIZE 9 TO 69) PANEL THICKNESS 0.8 TO 2.4mm

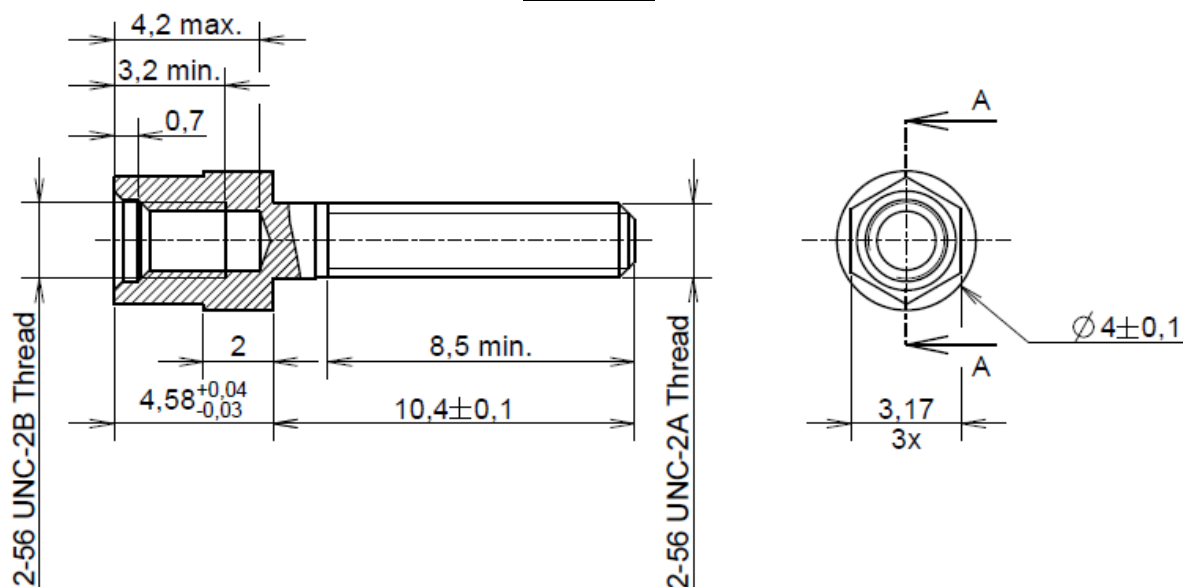
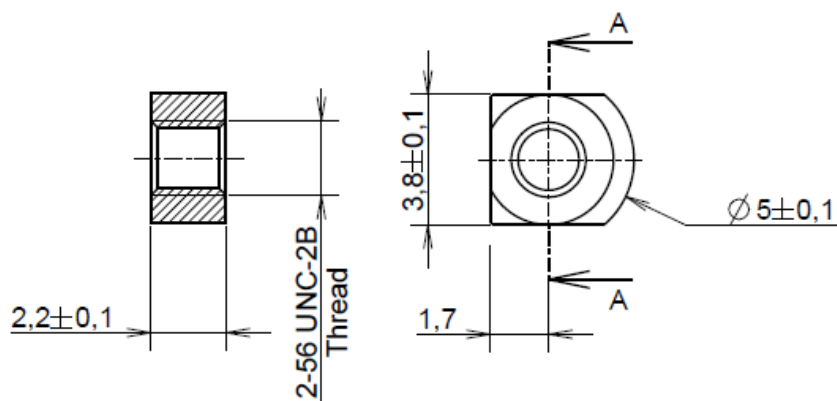
Screwlock

Variant	76	77	78	79	80
Panel Thickness (+0.2 -0)	0.8	1.2	1.6	2	2.4
Dimension A	0.7	1.1	1.5	1.9	2.3
Dimension B	2	2	2	2.4	2.8


Nut

NOTES:

1. All dimensions in mm.
2. Weight:
 - Screwlock 0.5g
 - Nut 0.22g
- 3.

Torque Values	Min (Nm)	Max (Nm)
Screwlock male side	0.44	0.48
Screwlock female side	0.28	0.32
Nut	0.44	0.48

VARIANTS 81 – SCREWLOCK SUB-ASSEMBLY FOR LIGHTWEIGHT BACKSHELL, (SIZE 9 TO 69)
Screwlock

Nut

NOTES:

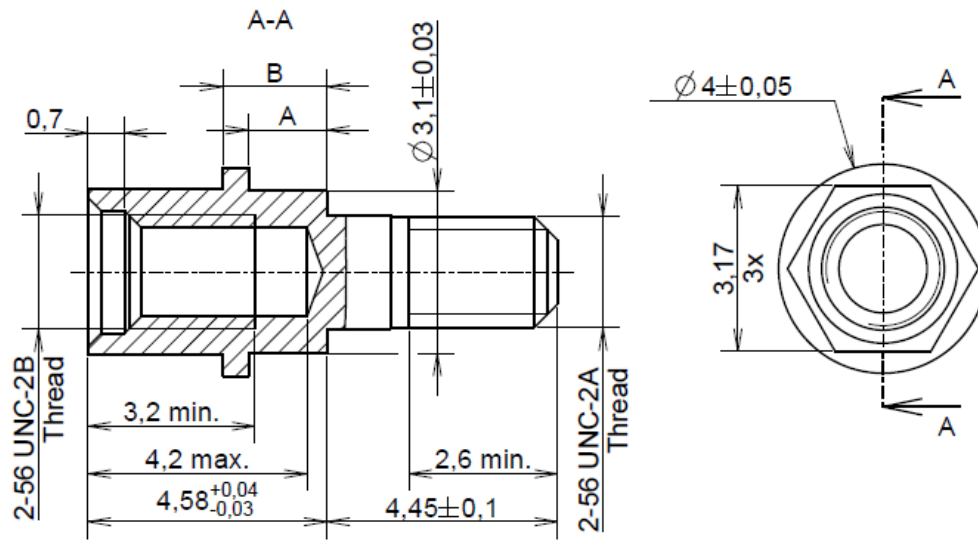
1. All dimensions in mm.
2. Weight:
 - Screwlock 0.54g
 - Nut 0.22g
- 3.

Torque Values	Min (Nm)	Max (Nm)
Screwlock male side	0.44	0.48
Screwlock female side	0.28	0.32
Nut	0.44	0.48

VARIANTS 82 TO 86 – SCREWLOCK (REAR PANEL MOUNTING) FOR CONNECTORS FR136, FR139 (SIZE 9 TO 51)
PANEL THICKNESS 0.8 TO 2.4mm

Screwlock

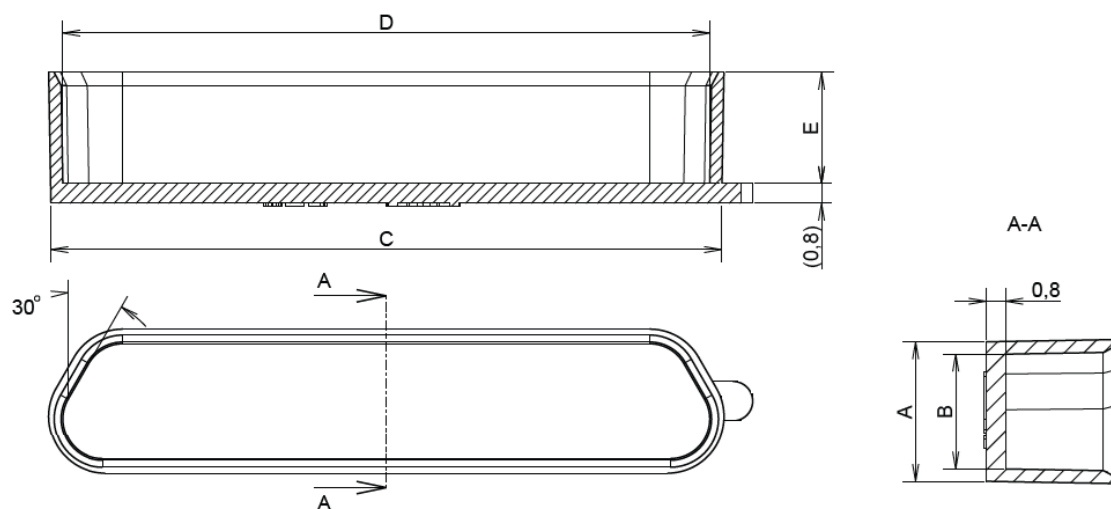
Variant	82	83	84	85	86
Panel Thickness (+0.2 -0)	0.8	1.2	1.6	2	2.4
Dimension A	0.7	1.1	1.5	1.9	2.3
Dimension B	2	2	2	2.4	2.8



NOTES:

- All dimensions in mm.
- Weight:
 - Screwlock 0.38g
-

Torque Values	Min (Nm)	Max (Nm)
Screwlock male side	0.44	0.48
Screwlock female side	0.28	0.32

VARIANTS 87 TO 102 – DUST CAPS


Variant	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
87	5,85	6,15	4,5	4,7	9,45	9,75	8,2	8,4	4,3	4,7
88	7,35	7,65	6	6,2	11	11,3	9,8	10	4,5	4,9
89	5,85	6,15	4,5	4,7	12,25	12,55	12,1	12,3	4,3	4,7
90	7,35	7,65	6	6,2	14,8	15,1	13,5	13,7	4,5	4,9
91	5,85	6,15	4,5	4,7	17,05	17,35	15,8	16	4,3	4,7
92	7,35	7,65	6	6,2	18,55	18,85	17,2	17,4	4,5	4,9
93	5,85	6,15	4,5	4,7	19,6	19,9	18,5	18,7	4,3	4,7
94	7,35	7,65	6	6,2	21,15	21,45	19,8	20	4,5	4,9
95	5,85	6,15	4,5	4,7	23,45	23,75	22,2	22,4	4,3	4,7
96	7,35	7,65	6	6,2	24,95	25,25	23,6	23,8	4,5	4,9
97	5,85	6,15	4,4	4,6	27,2	27,5	25,9	26,1	4,3	4,7
98	7,35	7,65	6,05	6,25	28,7	29	27,4	27,6	4,5	4,9
99	6,85	7,15	5,55	5,75	25,85	26,15	24,6	24,8	4,3	4,7
100	8,35	8,65	6,95	7,15	27,55	27,85	26,2	26,4	4,5	4,9
101	5,85	6,15	4,5	4,7	35,95	36,25	34,8	35	4,3	4,7
102	7,35	7,65	6	6,2	37,4	37,7	36,2	36,4	4,5	4,9

NOTES:

1. All dimensions in mm.
2. Weight: Not applicable

4.4 MATERIALS AND FINISHES

The materials and finishes shall be as specified herein. Where a definite material is not specified, a material which will enable the components specified herein to meet the performance requirements of this specification shall be used. Acceptance or approval of any constituent material does not guarantee acceptance of the finished product.

4.4.1 Screw Lock Assemblies and Brackets

These shall be made of passivated stainless steel, type 303, 316L, 316 LPX

4.4.2 Interfacial Seals

These shall be made of silicon base rubber.

4.4.3 Dust Caps

Material: black polyethelene.

4.5 MARKING

4.5.1 General

The marking of components delivered to this specification shall be in accordance with the requirements of ESCC Basic Specification No. 21700 and the following paragraphs. Each component shall be marked in respect of:

- (a) The ESCC qualified components symbol (for ESCC qualified components only).
- (b) The ESCC Component Number.
- (c) Traceability Information.

These components being too small to accommodate the marking specified above, the ESCC marking information shall accompany the component in its primary package.

4.5.2 The ESCC Component Number

The ESCC Component Number shall be constituted and marked as follows:

Example: 340103203B

- Detail Specification Number: 3401032
- Type Variant (See Figure 2): 03
- Testing Level: B

4.5.3 Traceability Information

Traceability information shall be marked in accordance with ESCC Basic Specification No. 21700.

4.6 ELECTRICAL MEASUREMENTS

Not applicable.

4.7 SCREENING TESTS (TABLES 4 AND 5)

Not applicable.

4.8 ENVIRONMENTAL AND ENDURANCE TESTS

Not applicable.