Amphenol-Air LB

# VG95319-1011 Backshells

Backshell according to VG95319-1011 for

VG95319-1006/-1007/-1008/-1016 as well as MIL-DTL-38999 Serie III

(Amphenol Series TV) connectors

Backshells form the rear side of a connector and enable a shield connection and strain relief.

The backshells are available in various styles and versions:

- Band Termination
- Braid mounting (SQ)
- For heat shrink boots
- Straight or angled
- Huge range of cable entry sizes
- Various materials and platings

Water pressure-tight 1bar/48h between connector and backshell.

(The tightness between cable and backshell is dependent

from the processing e.g. of the form-shrink part.)

# 1 I MATERIAL AND VERSION

| Material | Version | Ambient Temperature | Corrosion-Resistance | RoHS-compliant | VG Approval | Connector - Backshell Screen Connection | Shielding Effect 100MHz bis 1GHz |
|---|---|---|---|---|---|---|---|
| Aluminium | O.D. Cadmium over electroless nickel | -55 to + 175°C | 5D Test Nr. 5.50 | No | Yes, code letter A | 5mΩ | >85dB |
| Aluminium | Zinc Tin / Black Anodized | -55 to + 175°C | 5D Test Nr. 5.50 | Yes | Yes, code letter J | 5mΩ | >85dB |
| Aluminium | Electroless Nickel | -55 to + 200°C | 48H Test Nr 5.34 | Yes | Available with proprietary partnumber | 2,5mΩ | >85dB |
| Aluminium | Zinc Nickel Black | -55 to + 175°C | 500H Test Nr 5.34 | Yes | Available with proprietary partnumber | 5mΩ | >85dB |
| Aluminium-Bronze | Material No. CW307G | -55 to + 175°C | 5D Test Nr. 5.50 | Yes | Yes, code letter B | 5mΩ | >65dB |
| Stainless Steel | Material No. 1.4301 passivated | -55 to + 260°C | 5D Test Nr. 5.50 | Yes | Yes, code letter S | 10mΩ | >65dB |

*The test for the dynamic 5D test No. 5.50 according to DIN EN 60068-2-52 runs in salt spray and humidity storage phases at different temperatures. As a result, this test method is significantly more demanding than test 5.34 according to EN 60512-11-6

## VG Designation

| VG Number | VG95319-1011 | A | 001 | J |
|---|---|---|---|---|

Backshell Style
A = straight, for band termination, with knurl
B = 90° angular, for band termination, with knurl
C = straight, for mounting of braids, with wrench attachment
D = straight, for band termination, with knurl, short
E = for heat shrink boots, with wrench attachment
F = straight, for mounting of braids, with wrench attachment, short
G = straight, for band termination, with wrench attachment
H = 90° angular, for band termination, with wrench attachment

Dash Number
(Shell size and cable entry size)
see table

Material & Version
A = Aluminium, OD Cadmium over Electroless Nickel
B = Bronze
J = Aluminium, Zinc Tin / Black anodised
S = Stainless Steel, passivated

## Amphenol Designation

| | BLVGSRA | 001 | N |
|---|---|---|---|

Backshell Style
BLVGSRA = straight, for band termination, with knurl
BLVGARB = 90° angular, for band termination, with knurl
BUVGSRC = straight, for mounting of braids, with wrench attachment
BLVGSRD = straight, for band termination, with knurl, short
BBVGSRE = for heat shrink boots, with wrench attachment
BGVGSRF = straight, for mounting of braids, with wrench attachment, short
BLVGSRG = straight, for band termination, with wrench attachment
BLVGARH = 90° angular, for band termination, with wrench attachment

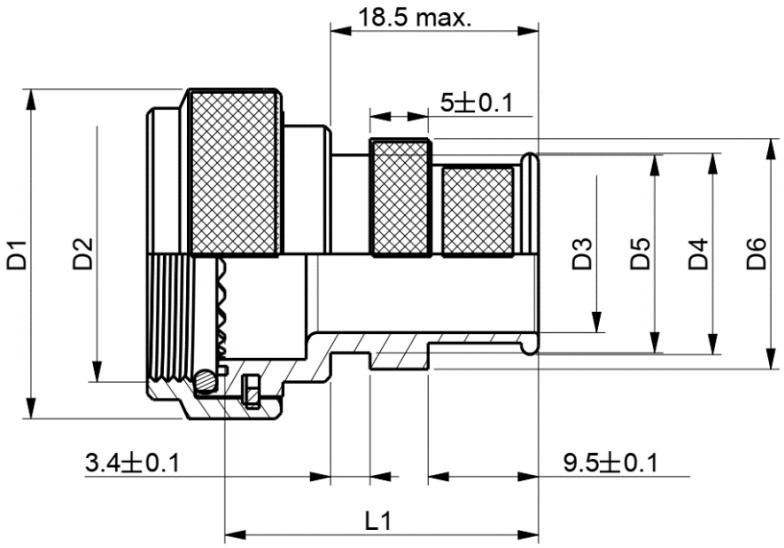
Dash Number
(Shell size and cable entry size)
see table

Material & Version
N = Aluminium, Electroless Nickel
ZN = Aluminium, Zinc Nickel Black

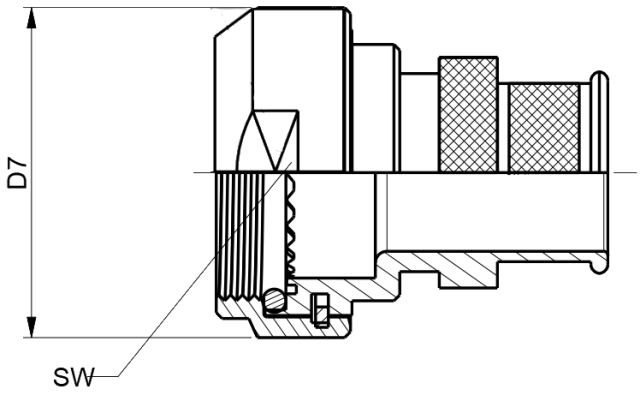
other versions on request

# VG95319-1011 Style A and G (BLVGSRA and BLVGSRG)

Straight backshell for band termination
and for use with a heat shrink boot
(Suitable band-tie on page 10)




VG95319-1011Axxxx
(BLVGSRAxxxx)
Backshell-nut with knurl

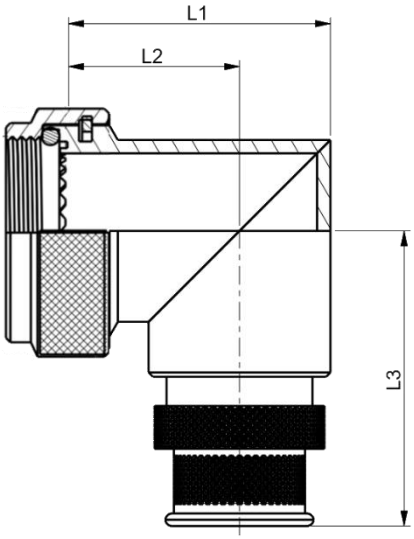



VG95319-1011Gxxxx
(BLVGSRGxxxx)
Backshell-nut with wrench attachment
Other dimension and data as style A

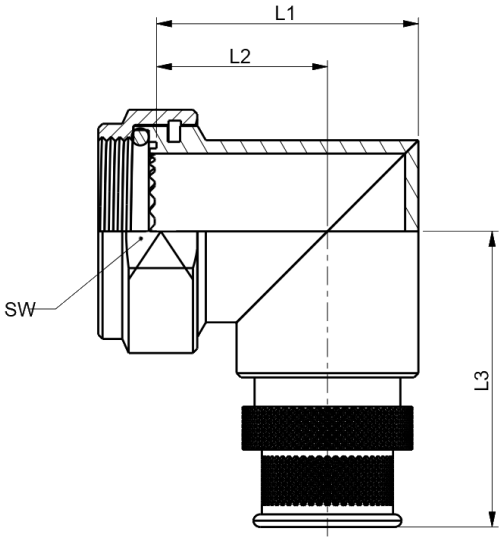
| Dash Number | Shell Size (TV/D38999/VG) | D1 Max. mm | D2 | D3 ± 0,2 mm | D4 ± 0,1 mm | D5 ± 0,1 mm | D6 ± 0,1 mm | D7 ± 0,2 mm | L1 ± 0,8 mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 19,5 | M12 x 1 | 9,0 | 12,8 | 12,5 | 15,3 | 19,0 | 27,0 | 17 | 7 | 20 |
| 011 | 11 / B / 002 | 23,0 | M15 x 1 | 9,5 | 13,3 | 13,0 | 15,8 | 22,0 | 38,0 | 20 | 7 | 20 |
| 002 | 11 / B / 002 | 23,0 | M15 x 1 | 12,5 | 16,3 | 16,0 | 18,8 | 22,0 | 27,0 | 20 | 7 | 20 |
| 012 | 13 / C / 003 | 25,9 | M18 x 1 | 9,5 | 13,3 | 13,0 | 15,8 | 25,0 | 38,0 | 23 | 12 | 20 |
| 003 | 13 / C / 003 | 25,9 | M18 x 1 | 12,0 | 15,8 | 15,5 | 18,3 | 29,0 | 27,0 | 23 | 12 | 20 |
| 013 | 15 / D / 004 | 30,2 | M22 x 1 | 9,5 | 13,3 | 13,0 | 15,8 | 29,0 | 38,0 | 27 | 12 | 20 |
| 004 | 15 / D / 004 | 30,2 | M22 x 1 | 13,5 | 17,3 | 17,0 | 19,8 | 29,0 | 27,0 | 27 | 12 | 20 |
| 005 | 17 / E / 005 | 33,0 | M25 x 1 | 12,8 | 16,6 | 16,3 | 19,1 | 32,0 | 38,0 | 30 | 15 | 30 |
| 006 | 17 / E / 005 | 33,0 | M25 x 1 | 23,5 | 27,3 | 26,9 | 29,8 | 32,0 | 38,0 | 30 | 15 | 30 |
| 014 | 19 / F / 006 | 35,9 | M28 x 1 | 17,5 | 21,3 | 21,0 | 23,8 | 36,0 | 38,0 | 34 | 15 | 30 |
| 007 | 19 / F / 006 | 35,9 | M28 x 1 | 18,0 | 21,8 | 21,6 | 24,3 | 36,0 | 38,0 | 34 | 15 | 30 |
| 015 | 21 / G / 007 | 39,2 | M31 x 1 | 13,0 | 16,8 | 16,5 | 19,3 | 39,0 | 38,0 | 37 | 15 | 30 |
| 016 | 21 / G / 007 | 39,2 | M31 x 1 | 16,0 | 19,8 | 19,5 | 22,3 | 39,0 | 38,0 | 37 | 15 | 30 |
| 008 | 21 / G / 007 | 39,2 | M31 x 1 | 19,0 | 22,8 | 22,6 | 25,3 | 39,0 | 38,0 | 37 | 15 | 30 |
| 017 | 23 / H / 008 | 42,4 | M34 x 1 | 19,0 | 22,8 | 22,5 | 25,3 | 43,0 | 38,0 | 41 | 19 | 30 |
| 009 | 23 / H / 008 | 42,4 | M34 x 1 | 23,0 | 26,8 | 26,4 | 29,3 | 43,0 | 38,0 | 41 | 19 | 40 |
| 018 | 25 / J / 009 | 45,7 | M37 x 1 | 16,0 | 19,8 | 19,5 | 22,3 | 46,0 | 38,0 | 44 | 19 | 40 |
| 019 | 25 / J / 009 | 45,7 | M37 x 1 | 19,0 | 22,8 | 22,5 | 25,3 | 46,0 | 38,0 | 44 | 19 | 40 |
| 020 | 25 / J / 009 | 45,7 | M37 x 1 | 22,5 | 26,3 | 26,0 | 28,8 | 46,0 | 38,0 | 44 | 19 | 40 |
| 010 | 25 / J / 009 | 45,7 | M37 x 1 | 28,5 | 32,3 | 32,0 | 34,8 | 46,0 | 38,0 | 44 | 19 | 40 |

# VG95319-1011 Style B and H (BLVGARB and BLVGARH)

90° angled backshell
for band termination
and for use with a heat shrink boot
(Suitable band-tie on page 10)




VG95319-1011Bxxxx
(BLVGARBxxxx)
Backshell-nut with knurl
Other dimension and data as style A

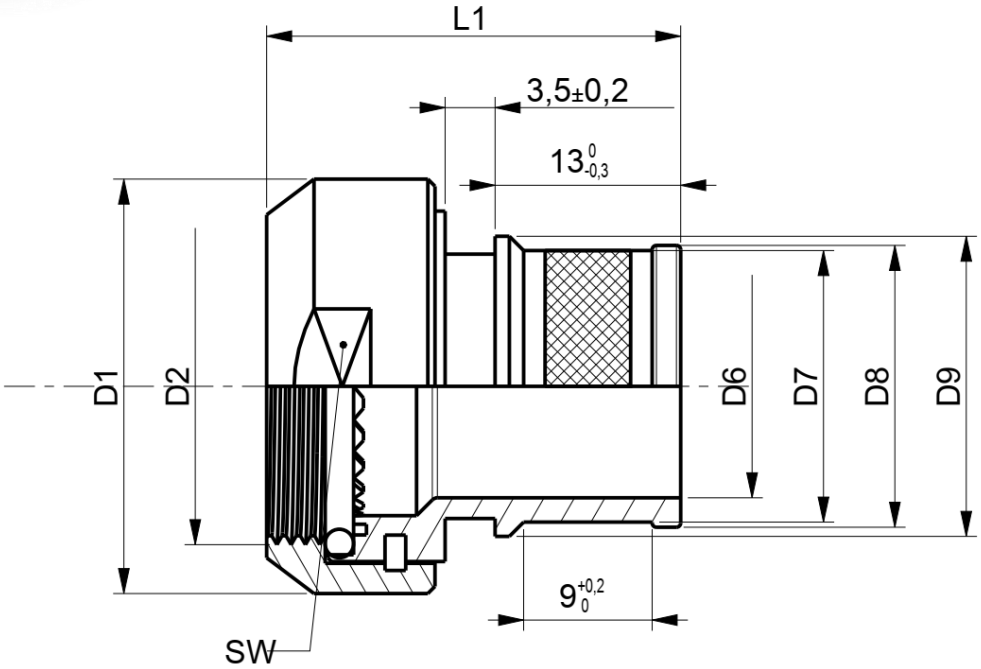



VG95319-1011Hxxxx
(BLVGARHxxxx)
Backshell-nut with wrench attachment
Other dimension and data as style G

| Dash Number | Shell Size (TV/D38999/VG) | L1 max. mm | L2 max. mm | L3 max. mm | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 24,0 | 16,4 | 31,2 | 30 |
| 002 | 11 / B / 002 | 27,8 | 18,4 | 32,8 | 30 |
| 003 | 13 / C / 003 | 29,5 | 20,0 | 34,2 | 35 |
| 004 | 15 / D / 004 | 31,9 | 21,2 | 36,4 | 45 |
| 005 | 17 / E / 005 | 35,0 | 22,8 | 37,8 | 55 |
| 006 | 17 / E / 005 | 37,7 | 22,8 | 37,8 | 55 |
| 007 | 19 / F / 006 | 37,4 | 24,0 | 39,2 | 65 |
| 008 | 21 / G / 007 | 40,6 | 25,6 | 40,9 | 75 |
| 009 | 23 / H / 008 | 43,8 | 27,1 | 42,5 | 85 |
| 010 | 25 / J / 009 | 46,3 | 28,4 | 43,8 | 95 |

## VG95319-1011 Style D (BLVGSRD)

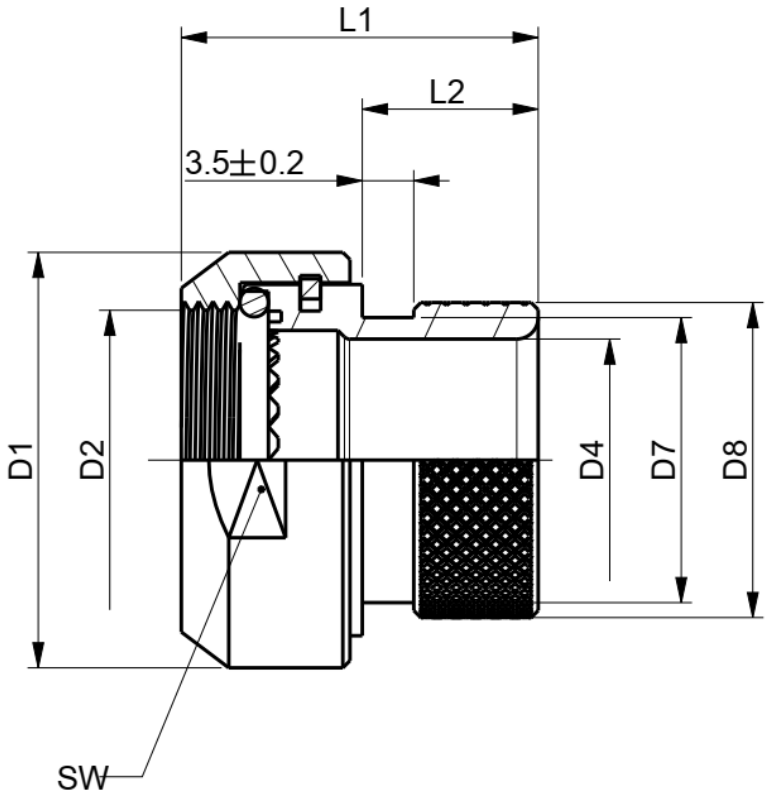
Straight backshell, shortened version
for band termination and for use with a heat shrink boot
Backshell-nut with wrench attachment
(Suitable band-tie on page 10)




| Dash Number | Shell Style (TV/D38999/VG) | D1 ±0,2 mm | D2 | D6 +0,5 0 mm | D7 ±0,1 mm | D8 0 -0,15 mm | D9 ±0,1 mm | L1 max. mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 19,0 | M12x1 | 19,0 | 22,5 | 23,3 | 24,5 | 32,0 | 17 | 7 | 20 |
| 002 | 11 / B / 002 | 22,0 | M15x1 | 9,5 | 13,0 | 13,8 | 15,0 | 30,0 | 20 | 7 | 12 |
| 003 | 11 / B / 002 | 22,0 | M15x1 | 22,0 | 24,8 | 25,6 | 28,3 | 32,0 | 20 | 7 | 25 |
| 004 | 13 / C / 003 | 25,0 | M18x1 | 25,0 | 28,5 | 29,3 | 32,0 | 32,0 | 23 | 12 | 30 |
| 012 | 15 / D / 004 | 29,0 | M22x1 | 13,8 | 17,3 | 18,1 | 19,3 | 30,0 | 27 | 12 | 30 |
| 005 | 15 / D / 004 | 29,0 | M22x1 | 15,5 | 19,0 | 19,8 | 21,0 | 30,0 | 27 | 12 | 30 |
| 006 | 15 / D / 004 | 29,0 | M22x1 | 17,5 | 21,0 | 21,8 | 23,0 | 30,0 | 27 | 12 | 30 |
| 007 | 17 / E / 005 | 32,0 | M25x1 | 28,5 | 32,0 | 32,8 | 35,5 | 32,0 | 30 | 15 | 35 |
| 008 | 19 / F / 006 | 36,0 | M28x1 | 22,0 | 24,8 | 25,6 | 28,3 | 31,0 | 34 | 15 | 35 |
| 009 | 21 / G / 007 | 39,0 | M31x1 | 25,0 | 28,5 | 29,3 | 32,0 | 34,0 | 37 | 15 | 40 |
| 010 | 23 / H / 008 | 43,0 | M34x1 | 12,7 | 16,5 | 17,0 | 18,2 | 34,0 | 41 | 19 | 40 |
| 011 | 25 / J / 009 | 46,0 | M37x1 | 17,5 | 21,0 | 21,8 | 23,0 | 34,0 | 44 | 19 | 40 |

# VG95319-1011 Style E (BBVGSRE)

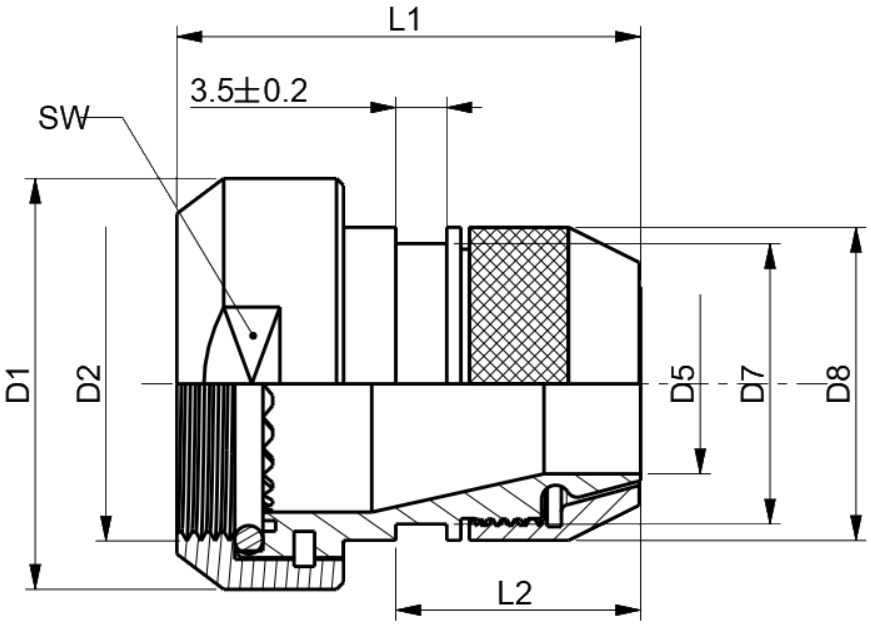
Straight backshell for use with a heat shrink boot
Backshell-nut with wrench attachment




| Dash Number | Shell Size (TV/D38999/VG) | D1 ±0,2 mm | D2 | D4 +0,2 0 mm | D7 0 -0,2 mm | D8 + 0,5 0 mm | L1 max mm. | L2 0 -0,40 mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 19,0 | M12x1 | 8,7 | 12,0 | 14,0 | 33,0 | 12,5 | 17 | 7 | 10 |
| 002 | 11 / B / 002 | 22,0 | M15x1 | 12,0 | 14,0 | 16,0 | 33,0 | 12,5 | 20 | 7 | 12 |
| 003 | 13 / C / 003 | 25,0 | M18x1 | 13,8 | 16,0 | 18,0 | 33,0 | 12,5 | 23 | 12 | 14 |
| 004 | 15 / D / 004 | 29,0 | M22x1 | 16,8 | 20,0 | 22,0 | 33,0 | 12,5 | 27 | 12 | 17 |
| 005 | 17 / E / 005 | 32,0 | M25x1 | 19,8 | 23,0 | 25,0 | 33,0 | 12,5 | 30 | 15 | 20 |
| 006 | 19 / F / 006 | 36,0 | M28x1 | 22,8 | 24,5 | 28,0 | 33,0 | 12,5 | 34 | 15 | 30 |
| 007 | 21 / G / 007 | 39,0 | M31x1 | 25,8 | 28,5 | 32,0 | 33,0 | 15,0 | 37 | 15 | 40 |
| 008 | 23 / H / 008 | 43,0 | M34x1 | 26,8 | 30,5 | 34,0 | 33,0 | 15,0 | 41 | 19 | 45 |
| 009 | 25 / J / 009 | 46,0 | M37x1 | 30,8 | 34,5 | 38,0 | 33,0 | 15,0 | 44 | 19 | 50 |

# VG95319-1011 Style C (BUVGSRC)

Straight backshell for braid mounting,
for use with a heat shrink boot
Backshell-nut with wrench attachment

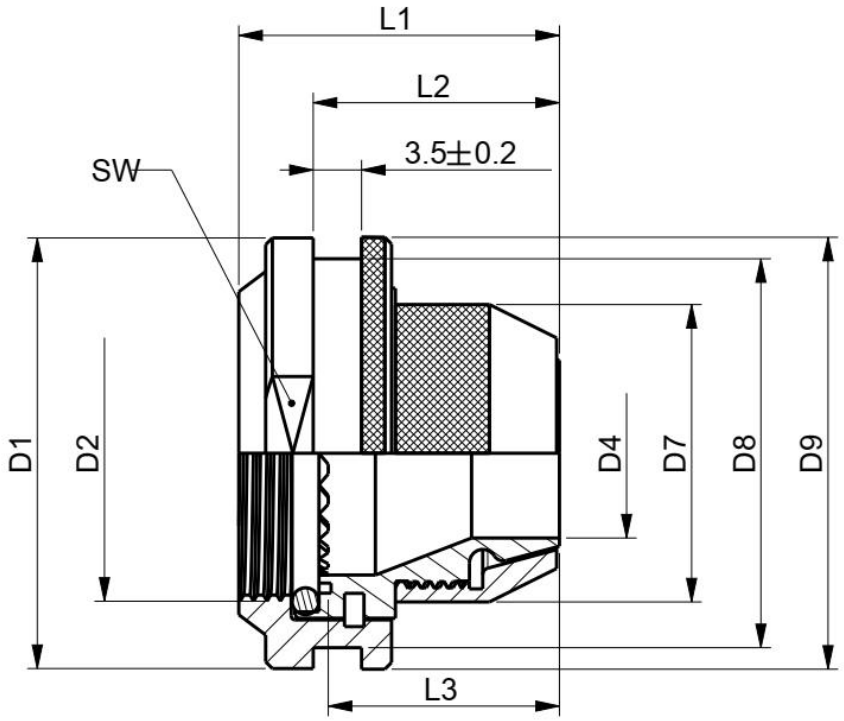



| Dash Number | Shell Size (TV/D38999/VG) | D1 ±0,2 mm | D2 | D5 min. Mm | D7 0 -0,3 mm | D8 +0,5 0 mm | L1 max. mm | L2 0 -0,7 mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 19,0 | M12x1 | 6,2 | 12,0 | 14,0 | 34,0 | 16,2 | 17 | 3 | 12 |
| 016 | 09 / A / 001 | 19,0 | M12x1 | 5,0 | 12,0 | 14,0 | 34,0 | 16,2 | 17 | 3 | 12 |
| 017 | 09 / A / 001 | 19,0 | M12x1 | 7,0 | 14,0 | 16,0 | 35,0 | 17,2 | 17 | 3 | 13 |
| 018 | 09 / A / 001 | 19,0 | M12x1 | 9,5 | 16,0 | 18,0 | 35,0 | 17,2 | 17 | 3 | 14 |
| 019 | 09 / A / 001 | 19,0 | M12x1 | 12,5 | 19,7 | 22,0 | 35,0 | 18,2 | 17 | 3 | 18 |
| 020 | 09 / A / 001 | 19,0 | M12x1 | 15,5 | 23,0 | 25,0 | 35,0 | 18,2 | 17 | 3 | 21 |
| 002 | 11 / B / 002 | 22,0 | M15x1 | 7,0 | 14,0 | 16,0 | 35,0 | 17,2 | 20 | 3 | 15 |
| 021 | 11 / B / 002 | 22,0 | M15x1 | 5,0 | 12,0 | 14,0 | 34,0 | 16,2 | 20 | 3 | 15 |
| 003 | 11 / B / 002 | 22,0 | M15x1 | 9,5 | 16,0 | 18,0 | 35,0 | 17,2 | 20 | 3 | 16 |
| 004 | 11 / B / 002 | 22,0 | M15x1 | 12,5 | 20,0 | 22,0 | 35,0 | 18,2 | 20 | 3 | 18 |
| 022 | 11 / B / 002 | 22,0 | M15x1 | 15,5 | 23,0 | 25,0 | 35,0 | 18,2 | 20 | 3 | 22 |
| 023 | 11 / B / 002 | 22,0 | M15x1 | 18,5 | 24,5 | 28,0 | 35,0 | 18,2 | 20 | 3 | 24 |

| Dash Number | Shell Size (TV/D38999/VG) | D1 ±0,2 mm | D2 | D5 min. Mm | D7 0 -0,3 mm | D8 +0,5 0 mm | L1 max. mm | L2 0 -0,7 mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 005 | 13 / C / 003 | 25,0 | M18x1 | 9,5 | 16,0 | 18,0 | 35,0 | 17,2 | 23 | 5 | 18 |
| 024 | 13 / C / 003 | 25,0 | M18x1 | 6,2 | 12,0 | 14,0 | 35,0 | 16,2 | 23 | 5 | 15 |
| 025 | 13 / C / 003 | 25,0 | M18x1 | 7,0 | 14,0 | 16,0 | 35,0 | 17,2 | 23 | 5 | 17 |
| 026 | 13 / C / 003 | 25,0 | M18x1 | 12,5 | 19,7 | 22,0 | 36,0 | 18,2 | 23 | 5 | 19 |
| 027 | 13 / C / 003 | 25,0 | M18x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 23 | 5 | 22 |
| 028 | 13 / C / 003 | 25,0 | M18x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 23 | 5 | 27 |
| 029 | 13 / C / 003 | 25,0 | M18x1 | 23,5 | 30,5 | 34,0 | 36,0 | 18,2 | 23 | 5 | 35 |
| 030 | 13 / C / 003 | 25,0 | M18x1 | 27,5 | 34,5 | 38,0 | 36,0 | 18,2 | 23 | 5 | 42 |
| 006 | 15 / D / 004 | 29,0 | M22x1 | 12,5 | 20,0 | 22,0 | 36,0 | 18,2 | 27 | 5 | 23 |
| 031 | 15 / D / 004 | 29,0 | M22x1 | 6,2 | 12,0 | 14,0 | 36,0 | 16,2 | 27 | 5 | 20 |
| 032 | 15 / D / 004 | 29,0 | M22x1 | 6,2 | 12,0 | 14,0 | 46,0 | 16,2 | 27 | 5 | 39 |
| 033 | 15 / D / 004 | 29,0 | M22x1 | 7,0 | 14,0 | 16,0 | 36,0 | 17,2 | 27 | 5 | 22 |
| 007 | 15 / D / 004 | 29,0 | M22x1 | 9,5 | 16,0 | 18,0 | 36,0 | 17,2 | 27 | 5 | 23 |
| 034 | 15 / D / 004 | 29,0 | M22x1 | 9,5 | 16,0 | 18,0 | 47,0 | 17,2 | 27 | 5 | 41 |
| 008 | 15 / D / 004 | 29,0 | M22x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 27 | 5 | 25 |
| 035 | 15 / D / 004 | 29,0 | M22x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 27 | 5 | 29 |
| 036 | 15 / D / 004 | 29,0 | M22x1 | 23,5 | 30,5 | 34,0 | 36,0 | 18,2 | 27 | 5 | 42 |
| 009 | 17 / E / 005 | 32,0 | M25x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 30 | 5 | 27 |
| 037 | 17 / E / 005 | 32,0 | M25x1 | 6,2 | 12,0 | 14,0 | 36,0 | 16,2 | 30 | 5 | 24 |
| 010 | 17 / E / 005 | 32,0 | M25x1 | 7,0 | 14,0 | 16,0 | 36,0 | 17,2 | 30 | 5 | 25 |
| 038 | 17 / E / 005 | 32,0 | M25x1 | 9,5 | 16,0 | 18,0 | 36,0 | 17,2 | 30 | 5 | 27 |
| 039 | 17 / E / 005 | 32,0 | M25x1 | 12,5 | 20,0 | 22,0 | 36,0 | 18,2 | 30 | 5 | 31 |
| 040 | 17 / E / 005 | 32,0 | M25x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 30 | 5 | 35 |
| 041 | 17 / E / 005 | 32,0 | M25x1 | 21,5 | 28,5 | 32,0 | 36,0 | 18,2 | 30 | 5 | 38 |
| 042 | 17 / E / 005 | 32,0 | M25x1 | 23,5 | 30,5 | 34,0 | 36,0 | 18,2 | 30 | 5 | 44 |
| 043 | 17 / E / 005 | 32,0 | M25x1 | 19,8 | 28,5 | 32,0 | 36,0 | 18,2 | 30 | 5 | 39 |
| 011 | 19 / F / 006 | 36,0 | M28x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 34 | 7 | 35 |
| 044 | 19 / F / 006 | 36,0 | M28x1 | 9,5 | 16,0 | 18,0 | 36,0 | 17,2 | 34 | 7 | 29 |
| 045 | 19 / F / 006 | 36,0 | M28x1 | 12,5 | 20,0 | 22,0 | 36,0 | 18,2 | 34 | 7 | 31 |
| 046 | 19 / F / 006 | 36,0 | M28x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 34 | 7 | 33 |
| 047 | 19 / F / 006 | 36,0 | M28x1 | 21,5 | 28,5 | 32,0 | 36,0 | 18,2 | 34 | 7 | 39 |
| 048 | 19 / F / 006 | 36,0 | M28x1 | 21,5 | 28,5 | 32,0 | 46,0 | 18,2 | 34 | 7 | 49 |
| 049 | 19 / F / 006 | 36,0 | M28x1 | 28,8 | 37,5 | 41,0 | 36,0 | 18,2 | 34 | 7 | 45 |
| 012 | 21 / G / 007 | 39,0 | M31x1 | 21,5 | 28,5 | 32,0 | 36,0 | 18,2 | 37 | 8 | 42 |
| 050 | 21 / G / 007 | 39,0 | M31x1 | 9,5 | 16,0 | 18,0 | 36,0 | 17,2 | 37 | 8 | 34 |
| 051 | 21 / G / 007 | 39,0 | M31x1 | 12,5 | 20,0 | 22,0 | 36,0 | 18,2 | 37 | 8 | 36 |
| 052 | 21 / G / 007 | 39,0 | M31x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 37 | 8 | 39 |
| 053 | 21 / G / 007 | 39,0 | M31x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 37 | 8 | 41 |
| 054 | 21 / G / 007 | 39,0 | M31x1 | 27,5 | 34,5 | 38,0 | 36,0 | 18,2 | 37 | 8 | 45 |
| 013 | 23 / H / 008 | 43,0 | M34x1 | 23,5 | 30,5 | 34,0 | 36,0 | 18,2 | 41 | 9 | 45 |
| 014 | 23 / H / 008 | 43,0 | M34x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 41 | 9 | 43 |
| 055 | 23 / H / 008 | 43,0 | M34x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 41 | 9 | 44 |
| 015 | 25 / J / 009 | 46,0 | M37x1 | 27,5 | 34,5 | 38,0 | 36,0 | 18,2 | 44 | 11 | 52 |
| 056 | 25 / J / 009 | 46,0 | M37x1 | 12,5 | 20,0 | 22,0 | 36,0 | 18,2 | 44 | 11 | 39 |
| 057 | 25 / J / 009 | 46,0 | M37x1 | 15,5 | 23,0 | 25,0 | 36,0 | 18,2 | 44 | 11 | 41 |
| 058 | 25 / J / 009 | 46,0 | M37x1 | 18,5 | 24,5 | 28,0 | 36,0 | 18,2 | 44 | 11 | 43 |
| 059 | 25 / J / 009 | 46,0 | M37x1 | 23,5 | 30,5 | 34,0 | 36,0 | 18,2 | 44 | 11 | 49 |
| 060 | 25 / J / 009 | 46,0 | M37x1 | 30,5 | 37,5 | 41,0 | 36,0 | 18,2 | 44 | 11 | 57 |

# VG95319-1011 Style F
# BGVGSRF

Straight backshell for braid mounting, shortened version
for use with a heat shrink boot
Backshell-nut with wrench attachment

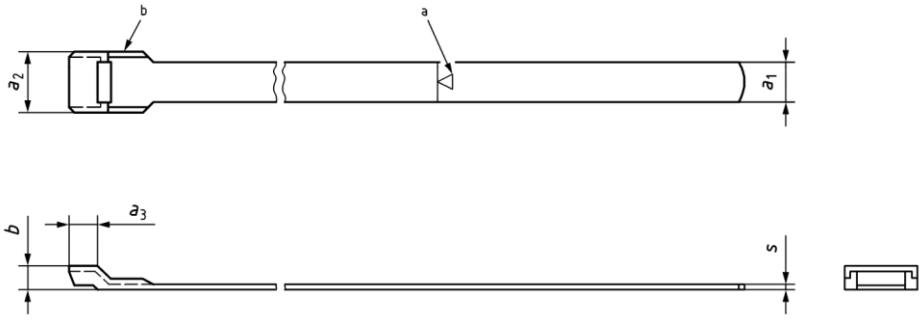



| Dash Number | Shell Size (TV/D38999/VG) | D1 ±0,2 mm | D2 | D4 +0,2 0 mm | D7 ±0,5 mm | D8 0 -0,20 | D9 +0,5 0 mm | L1 ±0,5 mm | L2 0 -1,0 mm | L3 ±0,5 mm | SW 0 -0,2 mm | Torque N m | Mass max. g (Version A Aluminium Cadmium OD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 09 / A / 001 | 22,0 | M12x1 | 6,2 | 14,0 | 19,0 | 21,0 | 23,0 | 18,0 | 16,0 | 20 | 3 | 12 |
| 002 | 11 / B / 002 | 25,0 | M15x1 | 7,0 | 16,0 | 22,0 | 24,0 | 23,0 | 18,0 | 16,0 | 23 | 3 | 15 |
| 003 | 13 / C / 003 | 29,0 | M18x1 | 9,5 | 18,0 | 25,5 | 28,0 | 24,0 | 19,0 | 17,0 | 27 | 5 | 18 |
| 004 | 13 / C / 003 | 29,0 | M18x1 | 15,5 | 25,0 | 25,5 | 28,0 | 23,0 | 18,0 | 16,0 | 27 | 5 | 22 |
| 005 | 15 / D / 004 | 29,0 | M22x1 | 12,5 | 22,0 | 29,0 | 32,0 | 24,0 | 19,0 | 17,0 | 30 | 5 | 22 |
| 006 | 15 / D / 004 | 32,0 | M22x1 | 15,5 | 25,0 | 29,0 | 32,0 | 24,0 | 19,0 | 17,0 | 30 | 5 | 22 |
| 007 | 17 / E / 005 | 32,0 | M25x1 | 15,5 | 25,0 | 32,5 | 36,0 | 24,0 | 19,0 | 17,0 | 34 | 5 | 27 |
| 008 | 19 / F / 006 | 36,0 | M28x1 | 18,5 | 28,0 | 35,5 | 39,0 | 24,0 | 19,0 | 17,0 | 37 | 7 | 30 |
| 009 | 19 / F / 006 | 39,0 | M28x1 | 15,5 | 25,0 | 35,5 | 39,0 | 25,0 | 20,0 | 18,0 | 37 | 7 | 30 |
| 010 | 21 / G / 007 | 42,0 | M31x1 | 21,0 | 32,0 | 38,8 | 42,0 | 24,0 | 19,0 | 17,0 | 40 | 8 | 40 |
| 011 | 23 / H / 008 | 45,0 | M34x1 | 23,5 | 34,0 | 42,0 | 45,5 | 24,0 | 19,0 | 17,0 | 43 | 9 | 45 |
| 012 | 25 / J / 009 | 49,0 | M37x1 | 27,5 | 38,0 | 45,5 | 49,0 | 24,0 | 19,0 | 17,0 | 47 | 11 | 50 |

# VG95319-1015 Style A

Metallic tie for termination of screening braids on the band adapter
Suitable for the following backshell-styles:
VG95319-1011A / BUVGSRA
VG95319-1011B / BUVGARB
VG95319-1011D / BLVGSRD
VG95319-1011G / BLVGSRG
VG95319-1011H / BLVGARH

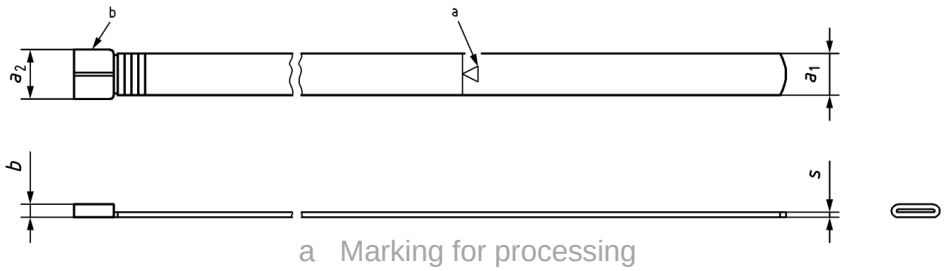
Material: Stainless steel, passivated
Admissible ambient temperature: -46 °C to 200 °C
Processing: Acc. to VG96927-4 chapter 4.9




a Marking for processing

| Dash Number | a1 ±0,25 mm | a2 ±0,76 mm | a3 max. mm | b ±0,38 mm | s ±0,08 mm | Expanded tie length, total min. mm | Diameter of the band adapter max. mm | Installation tool |
|---|---|---|---|---|---|---|---|---|
| VG95319-1015A001 | 6,22 | 8,89 | 4,00 | 1,88 | 0,48 | 360,00 | 47,80 | VG95236T18A0001 |
| VG95319-1015A002 | | | | | | 455,00 | 63,80 | |
| VG95319-1015A003 | 2,92 | 4,95 | 2,30 | 1,35 | 0,38 | 204,00 | 22,40 | VG95236T18A0002 |
| VG95319-1015A004 | | | | | | 354,00 | 47,80 | |

Bending of 90° of the protruding tie takes place in one step




a Marking for processing

| Dash Number | a1 ±0,25 mm | a2 ±0,76 mm | a3 max. | b ±0,38 mm | s ±0,08 mm | Expanded tie length, total min. mm | Diameter of the band adapter max. mm | Installation tool |
|---|---|---|---|---|---|---|---|---|
| VG95319-1015A101 | 6,22 | 8,33 | - | 2,54 | 0,48 | 354,00 | 45,00 | VG95236T18B0001 |
| | | | | | | | | VG95236T18BB001 |
| VG95319-1015A102 | 3,00 | 5,03 | - | 2,03 | 0,38 | 239,00 | 28,00 | VG95236T18B0002 |
| | | | | | | | | VG95236T18BB002 |

Bending of 180° of the protruding tie takes place in two steps with two different Tools

# Electrically conductive gaskets according to VG96940-6 for connectors & accessories

- Gaskets for square flange receptacles for front and back panel mounting
- Gaskets for jam nut receptacles
- Gaskets for protective caps

In addition to the excellent shielding properties, our gaskets provide maximum protection against moisture and dirt.
They are also resistant to aggressive fluids such as oil, hydraulic or kerosene:
Both material versions are subject to environmental testing in accordance with IEC 60068-2-52 / DIN EN 60068-2-52 (salt fog, cyclic).
Our electrically conductive seals approved according to VG96940-6 offer an increased frequency range from 15 KHz to 4 GHz (according to VG, up to 100 MHz are required).

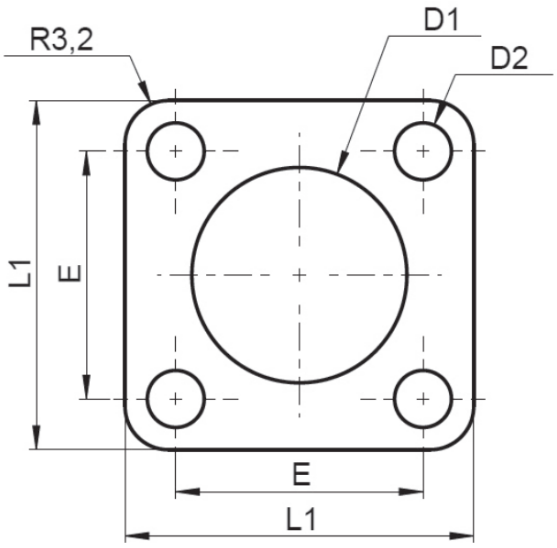
Version A:
Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ag/Al conductive filler
Hardness (65 ± 10) Shore A according to DIN EN ISO 868
Colour: light green
Shielding effectiveness: ≥ 80 dB

**Version B:**
Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ni/C conductive filler
Hardness (75 ± 7) Shore A according to DIN EN ISO 868
Colour: dark-green
Shielding effectiveness: ≥ 70 dB

https://www.amphenol-airlb.de/38.0.de.155.html

# Electrically conductive gaskets

These gaskets are suitable for the following connectors:
VG95319-1006, MIL-DTL-38999 Serie I & III, EN3645, TV, LJT, JN1034




## For front panel mounting

| Version / Ausführung | VG number / VG-Nummer | Colour / Farbe | Partnumber / Bestellnummer | Size / Größe | D1 (+0,4) | D2 (-0,3) | L1 (±0,25) | L2 (±0,15) | E (±0,25) |
|---|---|---|---|---|---|---|---|---|---|
| A | VG96940-06CA001A | light green / hellgrün | AALB-FSPL-06CA001A-0,81 | 9 | 12,50 | 3,50 | 23,83 | 0,81 | 18,26 |
| A | VG96940-06CA002A | | AALB-FSPL-06CA002A-0,81 | 11 | 15,50 | | 26,19 | | 20,65 |
| A | VG96940-06CA003A | | AALB-FSPL-06CA003A-0,81 | 13 | 18,50 | | 28,56 | | 23,01 |
| A | VG96940-06CA004A | | AALB-FSPL-06CA004A-0,81 | 15 | 22,70 | | 30,96 | | 24,61 |
| A | VG96940-06CA005A | | AALB-FSPL-06CA005A-0,81 | 17 | 25,70 | | 34,80 | | 27,00 |
| A | VG96940-06CA006A | | AALB-FSPL-06CA006A-0,81 | 19 | 28,70 | | 36,53 | | 29,36 |
| A | VG96940-06CA007A | | AALB-FSPL-06CA007A-0,81 | 21 | 32,00 | | 39,70 | | 31,75 |
| A | VG96940-06CA008A | | AALB-FSPL-06CA008A-0,81 | 23 | 35,00 | 4,50 | 42,88 | | 34,93 |
| A | VG96940-06CA009A | | AALB-FSPL-06CA009A-0,81 | 25 | 38,00 | | 46,50 | | 38,10 |

## For rear panel mounting

| Version / Ausführung | VG number / VG-Nummer | Colour / Farbe | Partnumber / Bestellnummer | Size / Größe | D1 (+0,4) | D2 (-0,3) | L1 (±0,25) | L2 (±0,15) | E (±0,25) |
|---|---|---|---|---|---|---|---|---|---|
| A | VG96940-06CB001A | light green / hellgrün | AALB-FSPL-06CB001A-0,81 | 9 | 15,88 | 3,50 | 23,83 | 0,81 | 18,26 |
| A | VG96940-06CB002A | | AALB-FSPL-06CB002A-0,81 | 11 | 19,05 | | 26,19 | | 20,65 |
| A | VG96940-06CB003A | | AALB-FSPL-06CB003A-0,81 | 13 | 22,23 | | 28,56 | | 23,01 |
| A | VG96940-06CB004A | | AALB-FSPL-06CB004A-0,81 | 15 | 25,40 | | 30,96 | | 24,61 |
| A | VG96940-06CB005A | | AALB-FSPL-06CB005A-0,81 | 17 | 30,16 | | 34,80 | | 27,00 |
| A | VG96940-06CB006A | | AALB-FSPL-06CB006A-0,81 | 19 | 31,75 | | 36,53 | | 29,36 |
| A | VG96940-06CB007A | | AALB-FSPL-06CB007A-0,81 | 21 | 34,93 | | 39,70 | | 31,75 |
| A | VG96940-06CB008A | | AALB-FSPL-06CB008A-0,81 | 23 | 38,10 | 4,50 | 42,88 | | 34,93 |
| A | VG96940-06CB009A | | AALB-FSPL-06CB009A-0,81 | 25 | 41,50 | | 46,50 | | 38,10 |

## Protection caps

Metal protection caps for plugs and sockets according to VG & MIL.
Available in a very large variety and numerous designs,
VG95319-1013 approval in progress

In addition to the backshell shown in this brochure according to VG95319-1011, we also offer backshells according to SAE-AS 85049 Standard and beyond any standard

https://www.amphenol-airlb.de/38.0.de.94.html
or
http://www.backshellworld.com/

# Connectors

According to
VG95319-1006
VG95319-1007
VG95319-1008
VG95319-1016
MIL-DTL-38999 III in Metal and Composite
EN3645

https://www.amphenol-airlb.de/38.0.de.21.html

Amphenol-Air LB GmbH Am Kleinbahnhof 4 D 66740 Saarlouis

Telefon +49 (0) 6831 9810-0 E-Mail info@amphenol-airlb.de

http://www.amphenol-airlb.de