

Patriot (SDSS cable cleat)



Features

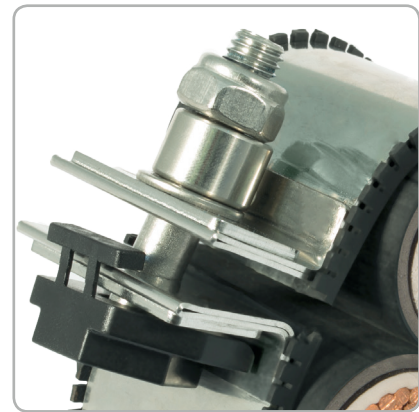
- Third party certification to IEC 61914:2009
- 316L stainless steel
- 17 - 128mm in 24 sizes for trefoil formation / application
- Short circuit rating of 135kA peak fault
- Operating temperature -50°C to +60°C
- Standard liners which are classified as Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free
- Combined single (M10) or two bolt (M10) fixing design

CMP Patriot cable cleats are metallic cable cleats which have been designed, constructed, and tested in accordance with the International Standard 'cable cleats for Electrical Installations' IEC 61914:2009 to ensure the securing and retention of cables, without sustaining damage to the cable(s).

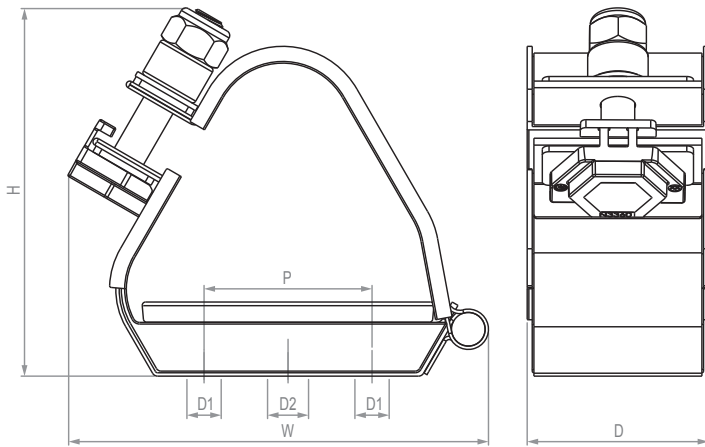
The cable cleat has been designed and tested for short circuit conditions, within harsh environments. The Patriot cable cleats are available for trefoil application/formation for diameters of 17mm to 128mm in 24 sizes. The Patriot cable cleat is fabricated from 316L stainless steel, giving it high creep strength whilst providing excellent corrosion resistance in the harshest of environments.

The Patriot cable cleat has three M10 fixing clearance holes within one base allowing versatility to the installer during installation, and is designed to enable the product to be secured to a variety of mounting surfaces. The Patriot cable cleats hinge opens fully allowing the cables to be easily placed within the cable cleat to aid the installer before closing and securing via the mouth piece bolt.

The Patriot cable cleats come with liners as standard, helping to restrain the cable(s) within vertical applications, providing a layer of protection between the cable sheath and the cable cleat during normal operation, where thermal elongation of cables occur, protecting the cable from chafing on any mounting surface due to differential movements such as those found in marine and offshore applications. The liners also assist in the extra protection of cable(s) in the event of short circuit fault conditions. The standard liners supplied are classified as Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free.



Technical Data



Technical Data & Classification

| | |
|---------------------------------------|---|
| Type | 6.1.3 Composite SDSS - Standard Duty Stainless Steel |
| Design Specification | IEC 61914:2009 |
| Temperature for permanent application | -50°C to +60°C IEC 61914:2009 clause 6.2 |
| Needle Flame Test | Pass - 120 second flame application time IEC 61914:2009 clause 10.0, 10.1, IEC 60695-11-5 |
| Lateral Load Test | Refer to CMP Products, IEC 61914:2009 clause 9.3 |
| Axial Load Test | 0.6kN, IEC 61914:2009 clause 9.4 |
| Impact Resistance | Pass - Very heavy IEC 61914:2009 clause 6.3, 6.3.5, 9.2 |
| Material | 316L Stainless Steel with Standard Liner Standard liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free |

300mm CAT 1 Patriot SDSS (0.1 sec)

| Cable OD (mm) | Peak kA |
|---------------|---------|
| 36 | 135.0 |
| 38 | 138.7 |
| 43 | 147.5 |
| 59 | 172.8 |
| 65 | 181.4 |

Short Circuit Testing to IEC 61914:2009 - Clause 9.5

Trefoil Formation

| One short circuit (6.4.3) 300mm fixed cleat centres | Two short circuits (6.4.4) 300mm fixed cleat centres | Two short circuits (6.4.4) 600mm fixed cleat centres | Two short circuits (6.4.4) 600mm fixed cleat centres |
|--|---|---|---|
| 0.1 sec | 1 sec | 0.1 sec | 1 sec |
| 135kA Peak | 80kA Peak | 108kA Peak | 75kA Peak |
| 58.8kA RMS | 38.3kA RMS | 49.1kA RMS | 35.7kA RMS |

Cable cleat selection table

| Patriot Part No. | Cable Ø Range Take (mm) | Dimensions (mm) | | | | | | Weight (g) |
|---------------------|----------------------------|-----------------|-----|----|----|---------------|---------|------------|
| | | W | H | D | P | Fixing Hole Ø | | |
| | | | | | | D1 | D2 | |
| SDSS017021 | 17-21 | 95 | 84 | 54 | 25 | 2 x M10 | 1 x M10 | 305 |
| SDSS019024 | 19-24 | 97 | 87 | 54 | 25 | 2 x M10 | 1 x M10 | 312 |
| SDSS023028 | 23-28 | 99 | 92 | 54 | 25 | 2 x M10 | 1 x M10 | 318 |
| SDSS027032 | 27-32 | 102 | 97 | 54 | 25 | 2 x M10 | 1 x M10 | 324 |
| SDSS030035 | 30-35 | 104 | 101 | 54 | 25 | 2 x M10 | 1 x M10 | 329 |
| SDSS033038 | 33-38 | 106 | 104 | 54 | 25 | 2 x M10 | 1 x M10 | 336 |
| SDSS036042 | 36-42 | 125 | 109 | 54 | 50 | 2 x M10 | 1 x M10 | 395 |
| SDSS040046 | 40-46 | 128 | 114 | 54 | 50 | 2 x M10 | 1 x M10 | 403 |
| SDSS044050 | 44-50 | 132 | 116 | 54 | 50 | 2 x M10 | 1 x M10 | 409 |
| SDSS048055 | 48-55 | 136 | 123 | 54 | 50 | 2 x M10 | 1 x M10 | 420 |
| SDSS051058 | 51-58 | 138 | 129 | 54 | 50 | 2 x M10 | 1 x M10 | 426 |
| SDSS055062 | 55-62 | 158 | 136 | 54 | 75 | 2 x M10 | 1 x M10 | 482 |
| SDSS059066 | 59-66 | 158 | 144 | 54 | 75 | 2 x M10 | 1 x M10 | 489 |
| SDSS063070 | 63-70 | 159 | 151 | 54 | 75 | 2 x M10 | 1 x M10 | 496 |
| SDSS067074 | 67-74 | 165 | 159 | 54 | 75 | 2 x M10 | 1 x M10 | 504 |
| SDSS071078 | 71-78 | 172 | 166 | 54 | 75 | 2 x M10 | 1 x M10 | 513 |
| SDSS074082 | 74-82 | 188 | 174 | 54 | 75 | 2 x M10 | 1 x M10 | 588 |
| SDSS077085 | 77-85 | 189 | 179 | 54 | 75 | 2 x M10 | 1 x M10 | 593 |
| SDSS082088 | 82-88 | 190 | 185 | 54 | 75 | 2 x M10 | 1 x M10 | 598 |
| SDSS088096 | 88-96 | 202 | 200 | 54 | 75 | 2 x M10 | 1 x M10 | 614 |
| SDSS096103 | 96-103 | 215 | 213 | 54 | 75 | 2 x M10 | 1 x M10 | 628 |
| SDSS103111 | 103-111 | 234 | 228 | 54 | 75 | 2 x M10 | 1 x M10 | 710 |
| SDSS111119 | 111-119 | 248 | 243 | 54 | 75 | 2 x M10 | 1 x M10 | 726 |
| SDSS119128 | 119-128 | 265 | 259 | 54 | 75 | 2 x M10 | 1 x M10 | 744 |

Fasteners required to secure the cable cleat to the support structure are not included with the ordering references shown in the selection table but can be supplied on request.