

## Updated Range of Points Heating Transformers

In order to meet the evolving needs of rail installations, Network Rail have made various changes to the specification of Points Heating Transformers (PHT) and have recently updated our PADS Certificate, which is now reference PA05/01802 Issue 8. The new range has been expanded and comprises of 5 no. "core" PHTs and 5 no. "configurable" PHTs. The configurable items allow specifiers to tailor certain aspects of a PHT to suit the specific requirements of different locations and installations.

### Core PHTs

| Part Number | Type Number                         | Description                            |
|-------------|-------------------------------------|--|
| S171152     | PHT/5/DUAL/PJ/230V/110VAC/F6/GALV   | 5kVA, 230:110V AC, 6 x DP fused ways   |
| S171153     | PHT/10/DUAL/PJ/230V/110VAC/F10/GALV | 10kVA, 230:110V AC, 10 x DP fused ways |
| S171154     | PHT/10/DUAL/PJ/230V/110VAC/F12/GALV | 10kVA, 230:110V AC, 12 x DP fused ways |
| S171157     | PHT/5/DUAL/PJ/230V/99VDC/F6/SS      | 5kVA, 230:99V DC, 6 x DP fused ways    |
| S171158     | PHT/10/DUAL/PJ/230V/99VDC/F10/SS    | 10kVA, 230:99V DC, 10 x DP fused ways  |

GALV = Galvanized Enclosure; SS - Stainless Steel enclosure (316L)

Our product data sheet will be updated to reflect the new specifications. However, we can advise that the major change is that 10kVAs now have a minimum of 10 x outgoing fused ways (instead of 6) and there is an additional standard 10kVA, with 12 x outgoing fused ways. The 10kVAs no longer incorporate 25A DP fuses and each set has been replaced by 2 x sets of 12A DP fuses. S171154 is the new model and is equipped with 8 x 12A DP sets of fuses, 2 x 4A DP and 2 x 2A DP i.e. 12 x DP sets of fuses in total.

Core AC PHTs are presented in galvanized enclosures and core DC PHTs are presented in stainless steel enclosures. Enclosures are now pre-punched with multiple gland holes for outgoing circuits and all PHTs have M16 traction earth studs. The earth bond for the canopy has been updated to 6mm<sup>2</sup>.

Configurable items allow the customer to make choices about elements of the specification. There are five base part numbers and these are essentially "building blocks" with the standard options detailed below.

| Part No. | Description  |
|----------|--|
| A7350086 | 5kVA AC, galvanized or stainless enclosure, 6 x DP fused ways, 230:110V, 35mm <sup>2</sup> incoming terminals, 6mm <sup>2</sup> canopy supplementary bond. Refer to drawing B35084 Rev A and Wiring Diagram WD3158 Rev A   |
| A7350087 | 10kVA AC, galvanized or stainless enclosure, 10 x DP fused ways, 230:110V, 35mm <sup>2</sup> incoming terminals, 6mm <sup>2</sup> canopy supplementary bond. Refer to drawing B35085 Rev A and Wiring Diagram WD3159 Rev A |
| A7350088 | 10kVA AC, galvanized or stainless enclosure, 12 x DP fused ways, 230:110V, 35mm <sup>2</sup> incoming terminals, 6mm <sup>2</sup> canopy supplementary bond. Refer to drawing B35086 Rev A and Wiring Diagram WD3160 Rev A |
| A7350089 | 5kVA DC, galvanized or stainless enclosure, 6 x DP fused ways, 230:99V, 35mm <sup>2</sup> incoming terminals, 6mm <sup>2</sup> canopy supplementary bond. Refer to drawing B35239 and Wiring Diagram WD3171.               |
| A7350090 | 10 kVA DC, galvanized or stainless enclosure, 10 x DP fused ways, 230:99V, 35mm <sup>2</sup> incoming terminals, 6mm <sup>2</sup> canopy supplementary bond. Refer to drawing B35240 Rev A and Wiring Diagram WD3172.      |

  

| Options |   |                     |
|---------|---|---------------------|
| Suffix  | Description                                 | Type Ref Identifier |
| A       | Galvanized enclosure                        | GALV                |
| B       | Stainless steel enclosure                   | SS                  |
| C       | 400V primary winding (single phase, 2 wire) | 400V                |
| D       | 70mm <sup>2</sup> incoming terminals        | 70IT                |
| E       | 50mm <sup>2</sup> canopy supplementary bond | 50CB                |

Please refer enquiries for Core and Configurable PHTs to our Customer Service Centres, who will be pleased to assist with part references, lead times, etc.

## THE POWER PROFESSIONALS

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