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 The 10kVAs no longer incorporate 25A DP fuses and each set has been replaced by 2 x sets of 12A DP fuses.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 uprated to 6mm^2.

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^2 incoming terminals, 6mm^2 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^2 incoming terminals, 6mm^2 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^2 incoming terminals, 6mm^2 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^2 incoming terminals, 6mm^2 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^2 incoming terminals, 6mm^2 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^2 incoming terminals	70IT
E	50mm^2 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.