

Polaris PTLIH Ground Mounted Transformer Connectors

Heavy Duty Connectors with Bolted Lay-In Cable Clamps

Polaris PTLIH transformer connectors are application engineered for the New Zealand market to provide a secure, reliable and cost-effective means of connection for ground mounted transformers.

Polaris PTLIH transformer connectors are manufactured from high-strength 6061-T6 aluminium alloy to provide premium electrical and mechanical performance. They are dual rated for copper and aluminium conductors.

No cable lugs are required, reducing tooling and installation costs and electrical losses.

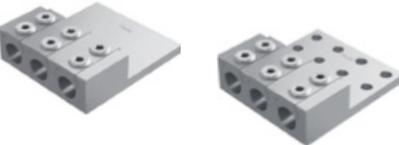
The lay-in cable cleats make connection quick and convenient, especially with large cable cross sections.

By using torque-setting set screws, Polaris PTLIH connectors are re-enterable, enabling the connection of additional cables, or different cable cross-sections.

The range-taking design minimises inventory requirements; three sizes cover transformer ratings from 200 – 1500 kVA.

Polaris PTLIH connectors meet or exceed ANSI C119.4 Class A, which specifies connectors for use between aluminium-aluminium or aluminium-copper conductors used in electricity distribution networks.

Polaris PTLIH Heavy-Duty Transformer Connectors with Lay-In Cable Clamps

| Connector Selection | Part Number | Cable Ports | Mounting Holes | Rating A | Minimum Conductor mm ² | Maximum Conductor mm ² |
|---|-----------------|-------------|----------------|----------|-----------------------------------|-----------------------------------|
|  | PTLIH 600PBNZ | 1 | 0 | 600 | 35 | 300 |
| | PTLIH 600PNZ | | 2 | | 35 | 300 |
|  | PTLIH 60052PB | 2 | 0 | 1200 | 35 | 300 |
| | PTLIH 1000102PB | | 4 | | 70 | 500 |
| | PTLIH 60052P | | 4 | | 35 | 300 |
|  | PTLIH 1000103PB | 3 | 0 | 2400 | 70 | 500 |
| | PTLIH 1000103P | | 8 | | | |
|  | PTLIH 1000104PB | 4 | 0 | | | |
| | PTLIH 1000104P | | 8 | | | |

Other sizes are available on request

Connectors and Cover Kits

| Part Number | Application | Colour |
|-------------|-------------------------------------|-----------------------|
| 50750HK5 | For connectors with 1–2 cable ports | Black (UV Stabilised) |
| 50750HK9 | For connectors with 3–4 cable ports | |

Tightening Torques

| Conductor Size mm ² | Set Screw Torque Nm | Palm Bolt Size | Bolt Torque Nm |
|--------------------------------|---------------------|----------------|----------------|
| 35 - 120 | 28 | M12 | 68 |
| 185 | 38 | | |
| 300 | 41 | | |
| 400 - 500 | 51 | | |

Options

Oxide inhibitor provided as standard, can be omitted if required
 Anodised set screws
 Tin plated connectors
 Other sizes available on request

Other literature available on request

Type test report, drawings

For more information contact your Hamer representative
 Hamer Limited reserve the right to amend product details without notice.

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