

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.

HAMER POWER ENGINEERING PRODUCT DATA SHEET



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				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

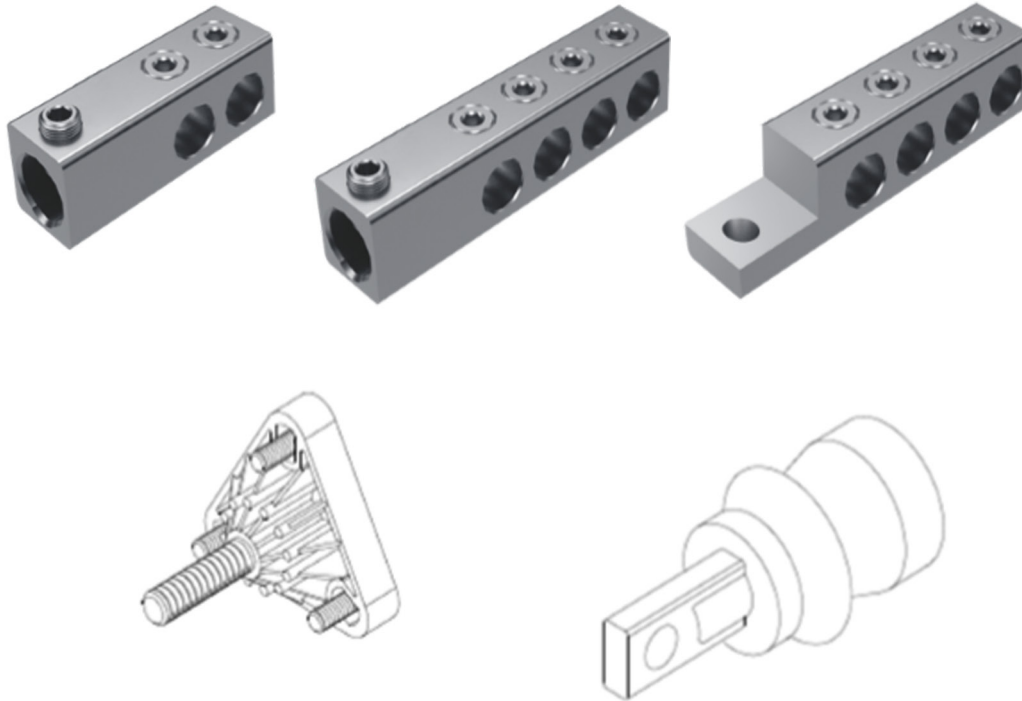
Type test report, drawings

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

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Polaris PSMTL Transformer Connectors

Bolted Connectors for Ground Mounted and Pole Mounted Transformers

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

Polaris PSMTL 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.

Connection is either by slip-fit and set screw onto the transformer bushing stud or bolted directly to the bushing palm. No cable lugs are required,


reducing tooling and installation costs and electrical losses.

By using torque-setting set screws to secure the conductors, Polaris PSMTL connectors are re-enterable, enabling the connection of additional conductors, or different conductor cross-sections.

Polaris PSMTL 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.

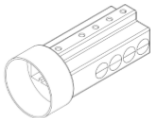
An insulating cover is available that provides protection against accidental flashover.

Polaris PSMTL Transformer Connectors

Connector Selection	Part Number	Cable Ports	Mounting Holes	Rating A	Minimum Conductor mm²	Maximum Conductor mm²
	POL82	2	2	200	16	120
	PSMTL 3504PH	4	4	400		
	PSMTL S3504PH					

Other sizes are available on request

Insulating Cover

	Part Number	Application	Colour
	613504H	For connectors with 2–4 cable ports	Black (UV Stabilised)

Tightening Torques

Conductor Size mm ²	Set Screw Torque Nm	Connection Type	Bolt Torque Nm
16–25	14	Threaded Stud (Slip-fit 5/8" 11)	42
35–120	28	Bushing Palm (M10 bolt)	35

Options

Oxide inhibitor provided as standard, can be omitted if required
 Anodised set screws
 Tin plated connectors
 Transparent covers to facilitate inspection / audit (not UV-stabilised)
 Other sizes available on request

Other literature available on request

Type test report, drawings

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