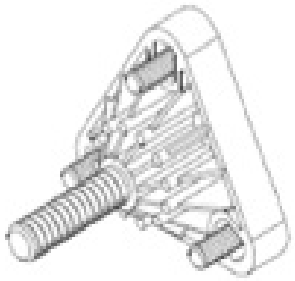
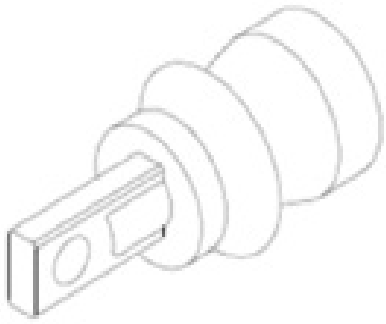
Polaris PSMTL Transformer Connectors

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.

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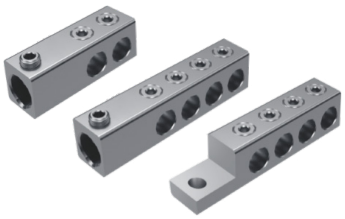
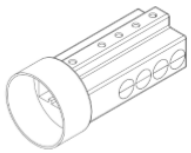
Connector Selection	Part Number	Cable Ports	Mounting Holes	Rating A	Minimum Conductor mm²	Maximum Conductor mm²
	POL82	2	2	200	16	120
	PSMTL 3504PH	4	4	400		
	PSMTL SC3504P					

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 mm²	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 reports, drawings