

YD32K4TML

YD32 Series — 4-Pole Circular Threaded-Coupling Power Connector (Cable Plug)



A rugged 4-contact circular connector with a threaded coupling and rear cable clamp, used to make and break power/control circuits between equipment and a flexible cable. The metal shell and silicone interface seal suit it to servo-motor, machine-tool and general industrial wiring where a quick, secure, vibration-resistant cable connection is required. The 4 round pin contacts mate with a matching panel socket.

General / Identification

Parameter	Value
Series	YD32 (Ø32 mm shell size class)
Type	Circular connector, cable plug (free, cable-end)
Contact arrangement	4 contacts, pin (male)
Coupling	Threaded coupling nut
Rear termination	Cable clamp / gland (solder or screw, by version)
Marking	YD32K4TML - date/batch code 2025-08

Electrical (typical, series-representative)

Parameter	Value
Rated current	50 A per contact (Ø3.5 mm contacts) (estimate — confirm against unit)
Rated voltage	500 V AC class (estimate — confirm against unit)
Contact resistance	≤ 0.5 mΩ (Ø3.5 mm contact) (estimate)
Insulation resistance	≥ 2000 MΩ (estimate)
Contacts	Copper alloy, gold / silver plated

Mechanical & Environmental

Parameter	Value
Shell material	Aluminium alloy
Insulator	PPS (blue)
Interface seal	Silicone O-ring (sealed when mated)
Mating durability	≥ 500 mating cycles (estimate)
Operating temperature	-45 °C to +125 °C (estimate)
Sealing	Sealed / waterproof type when mated — IP rating not stated; confirm (estimate)
Net weight	~130 g (estimate — confirm against unit)

Connections / Pin Layout



Mating face carries 4 numbered contacts (1–4) on a keyed insert. Observe the keyway / shell key to align the plug and socket before tightening the coupling nut. Verify the contact numbering and current sharing for your wiring before energising.

Typical Applications

Servo-motor power/feedback leads, machine tools and CNC equipment, industrial automation, power and control inter-connection on equipment exposed to vibration and moisture.

Disclaimer: Values marked “typical” or “estimate” are series-representative and must be confirmed against the manufacturer's manual / the physical unit before rated or safety-critical use. Figures compiled from publicly available distributor listings for the YD32 series; no single-product manufacturer datasheet was located for this exact model.

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