PRODUCT DATA SHEET

BIA-NXT-PROTECT1-22 w/50uF

812515

50µF ± 5% 450V 50/60Hz

PRODUCT DETAILS

The Bianco NXT iPROTECT is a module intended to control and protect a single pump. The user can select a control logic sequence to match their application and enjoy the benefits of superior control and protection for the pump.

Supplied with a 50µF capacitor, the NXT iPROTECT 1-22 acts as a starter box while providing control and protection to single-phase '3 wire' PSC-type bore pump motors. The controller is prewired and the casing has internal space and a bracket to install the start capacitor inside the enclosure.

There are 3 primary control logic modes, but the 2 modes relevant to bore-pump applications are:

- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

By digitally monitoring the running current, the response time of the Bianco NXT iPROTECT is superior to traditional analogue overload methods.

Inbuilt run/stop timers make this the perfect solution for managing low-yielding bores.

PROTECTION FUNCTIONS

Alarm parameters are programmable and in some instances trip and recovery time settings can be altered.

- Overvoltage
- Undervoltage
- Dry-run (undercurrent)
- Overload (overcurrent)
- Pump stall
- Open phase
- Phase reversal (3-phase models only)
- 'Anti-seize' function in drainage mode
- Last 5 error log

Bianco NXT iPROTECT has an audible alarm and a flashing screen to indicate an alarm state.

CONTROL INPUTS

- Switched input – float, pressure switch, temperature switching
- Level probe (capacitance-type probes)

TECHNICAL DATA

RATED VOLTAGE	1ph 230V +10/-6%
MAX. AMPERAGE	30 A
INGRESS PROTECTION	IP65
WORKING HUMIDITY	20 – 90% RH

POWER CABLE & MATERIALS	None – bare controller only
WORKING TEMPERATURE	-25° to 55°C
UNIT DIMENSIONS	275 x 200 x 125mm
UNIT WEIGHT (NET)	1.17 kg