

# PRODUCT DATA SHEET

BIA-NXT-DPC3-40 PRO SS 811369

304 GRADE STAINLESS STEEL







## CONTROL INPUTS

- Switched input float switch, pressure switch, temperature switching or relay input
- Level probe (capacitance type probes)
   OR
- 4-20mA level or pressure transmitter

### PRODUCT DETAILS

The BiANCO NXT-DPC PRO SS (Dual Pump Controller) is a module intended to control and protect a pair of three phase pumps up to a nominal 4.0 kW ea. The user can select a control logic sequence to match their application and enjoy the benefits of superior control and protection for the pump.

There are 3 primary control logic modes

- 'Drainage' where control is concentrated at the source
- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

NXT-DPC PRO SS has 2 x passive dry contacts and is equipped with a RS485 modbus interface to connect to a BMS

By digitally monitoring the running current, the response time of the BiANCO NXT DPC PRO SS is superior to traditional analogue overload methods.

### PROTECTION FUNCTIONS

Protection functions can be set, enabled or disabled independently

- Over voltage
- Under voltage
- Dry Run (under current)
- Overload (over current)
- Pump stall
- Open phase protection
- Phase reversal (3 phase models only)
- Phase inbalance: input / output (3 phase models only)
- Pump 'Anti-seize' function (96 hr default)
- Last 5 error log
- Manual or Automatic operation
- NXT-DPC PRO SS has an audible alarm and a flashing light to indicate an alarm state. It supports an external alarm unit
- Pump accumulated running time memory
- Pump start / stop delay time setting

# TECHNICAL DATA

RATED VOLTAGE	3Ph 400V +10/-6%
MAX. AMPERAGE	12 amps per pump
DEGREE OF PROTECTION	I.P. 54
WORKING HUMIDITY	20% - 90% RH

POWER CABLE	None - bare controller only
OPERATING TEMPERATURE	-25 degC to 55 deg C
UNIT DIMENSIONS	W 350mm x H 450mm x D 250mm
UNIT WEIGHT (NETT)	14.5kg approx

