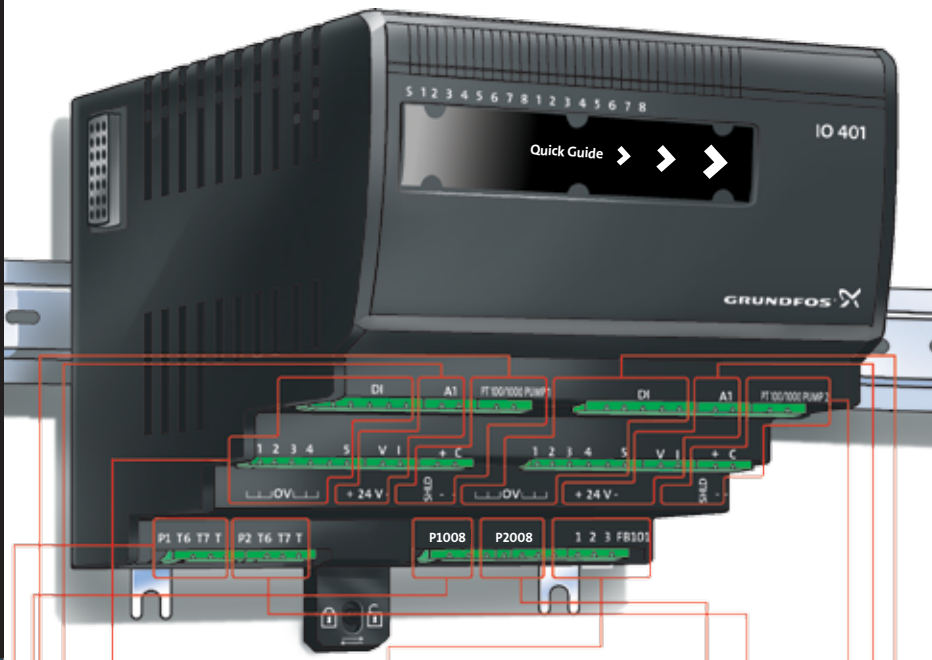
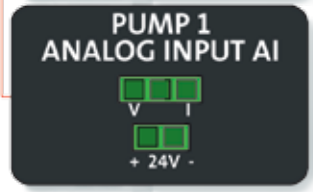
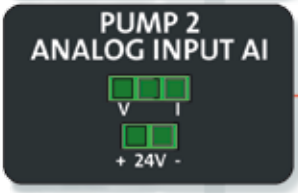
Quick Guide


IO 401
Quick Guide
GRUNDFOS
DI
A1
PT 100/1000 PUMP 1
DI
A1
PT 100/1000 PUMP 2
1 2 3 4 5 V I + C
1 2 3 4 5 V I + C
OV
+ 24 V
SHIELD
OV
+ 24 V -
SHIELD
P1 T6 T7 T
P2 T6 T7 T
P1008
P2008
1 2 3 FB101

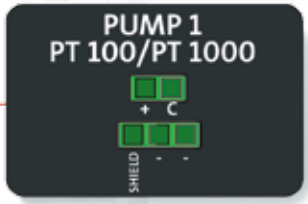
PUMP 1
DIGITAL INPUT
1 2 3 4 5
OV

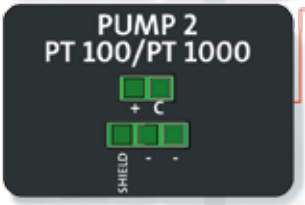
PUMP 2
DIGITAL INPUT
1 2 3 4 5
OV


PUMP 1
ANALOG INPUT AI
V I
+ 24V -


PUMP 2
ANALOG INPUT AI
V I
+ 24V -

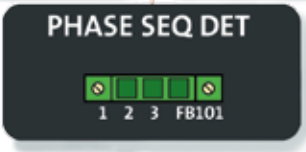
PUMP 1
THERM.
SWITCH/PTC
T6 T7 T


PUMP 1
PT 100/PT 1000
+ C
SHIELD - -

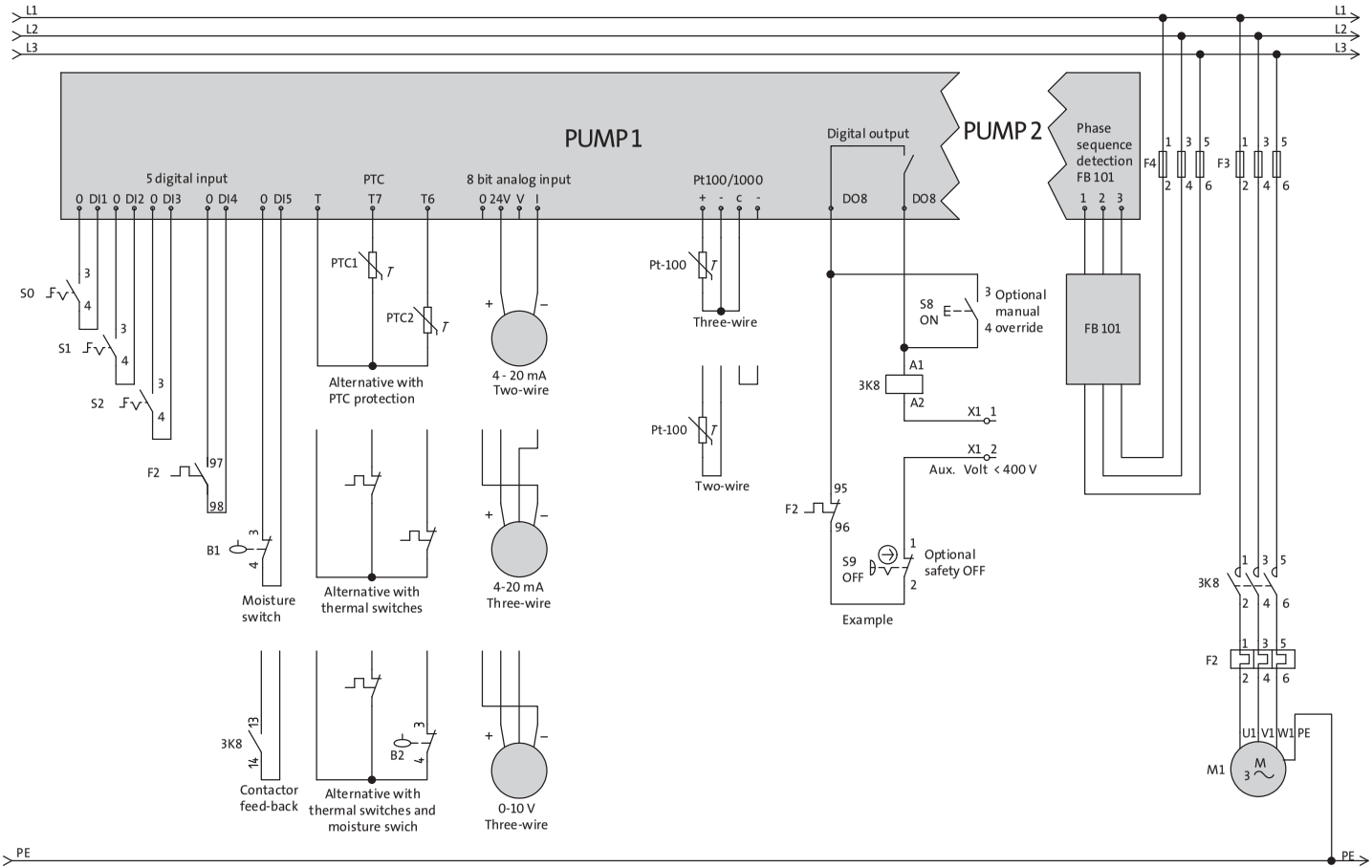

PUMP 2
PT 100/PT 1000
+ C
SHIELD - -

PUMP 2
THERM.
SWITCH/PTC
T6 T7 T

PUMP 1
CONTROL
DO8


PHASE SEQ DET
1 2 3 FB101

PUMP 2
CONTROL
DO8


L1
L2
L3
PUMP 1
PUMP 2
5 digital input
0 DI1 0 DI2 0 DI3 0 DI4 0 DI5
PTC
T T7 T6
8 bit analog input
0 24V V I
Pt100/1000
+ - c -
Digital output
DO8 DO8
Phase sequence detection FB 101
1 2 3
F4
F3
S0
S1
S2
F2
97
98
B1
Moisture switch
PTC1
PTC2
Alternative with PTC protection
4 - 20 mA Two-wire
Pt-100
Three-wire
Pt-100
Two-wire
S8 ON
Optional manual override
3K8
A1
A2
X1 1
X1 2
Aux. Volt < 400 V
FB 101
F2
95
96
S9 OFF
Optional safety OFF
Example
Alternative with thermal switches
4-20 mA Three-wire
3K8
13
14
Contactor feed-back
B2
Alternative with thermal switches and moisture swich
0-10 V Three-wire
3K8
F2
U1 V1 W1 PE
M1
M
3
PE
PE