



- **Optical and acoustical alarm**
- **Safe operation trough clear supervision**
- **Activating of the lower temperature setpoint together with the controller units NL 3070 THD and NL 3080 TPS**
- **Interface for integration into the control system of the machine**

Application

Plug-and-play alarm- and standby unit in 19" format for use with temperature controllers NL 3060 TMD – NL 3070 THD - NL 3080 TPS in one main-frame series 4000. Improvement of process safety by clear supervision en alarm (buzzer can be switched off).

Also, the controll signal for the stand-by function of all connected NL3070 controllers is generated.

Last but not least, the unit features potential-free contacts for process-high and -low temperature alarms which can be connected to external control systems via a 15 pin SUB-D contact.

The signal for the stand-by function also can be given via the 15 pin SUB-D – contact.

The control mode for the alarms can be set by jumpers on the main circuit board. Factory preset see application examples 2nd. page.

Technical data

Mains voltage

230V +/-10%, 48...63Hz

Alarm „max temperature“

LED-bar (5x red)
Pulsfrequency ca. 2Hz
Acoustical alarm in parallel

Alarm „low temperatuur“

LED-bar (4x yellow)
Pulsfrequency ca. 1Hz
Acoustical alarm in parallel

Buzzer

Ca. 3000Hz, 90dB

Switch STANDBY ON

Switch BUZZER ON

Sub-D-contact 15 pin

max. 24V/1A

Insulation voltage

2,5kV Power supply / TC

Transfer connector plug

H11 DIN41612

Dimensions

50,5 x 128,5 x 195mm

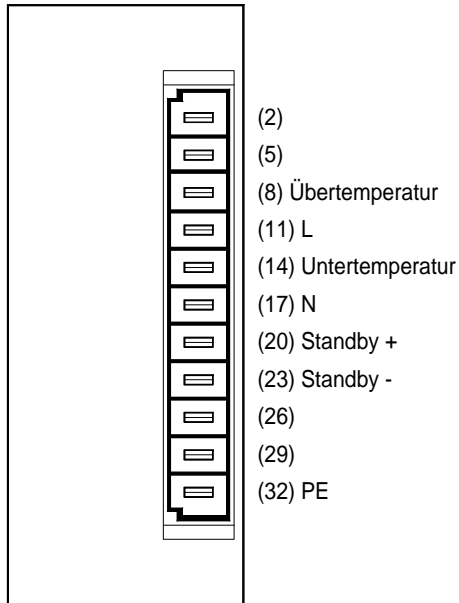
Format

19" / 3HE / 10TE

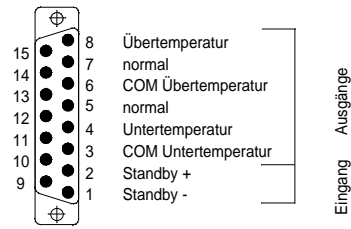
Weight

1,0kg

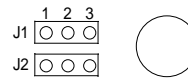
Belegung der H11- Übergabeleiste:



Belegung SUB-D Buchse 15pol. Front



Lage der Steckbrücken J1 und J2



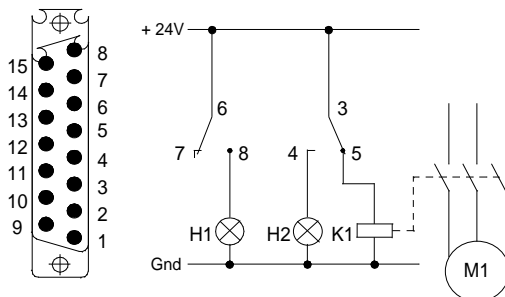
J1: Brücke 1 - 2 => Kontakt - Steuerung (*)
Brücke 2 - 3 => 24V DC - Steuerung

J2: Brücke 1 - 2 => Eing. offen / 0V: Standby
Brücke 2 - 3 => Eing. geschl. / 24V: Standby (*)

(*): werksseitige Einstellung

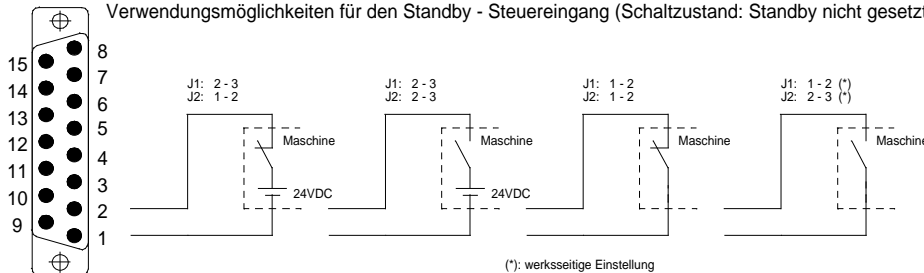
Application examples

Anwendungsbeispiel:
Extrudersteuerung (Schaltzustand:
kein Alarm gesetzt)



H1: Meldeleuchte 'Übertemperatur'
H2: Meldeleuchte 'Untertemperatur'
K1: Motorschütz 'Schnecke'

Verwendungsmöglichkeiten für den Standby - Steuereingang (Schaltzustand: Standby nicht gesetzt !)



(*): werksseitige Einstellung

Description	Art.-Nr.
NL 3053 SX	80368