KINRED by Kynoppe & ZJWZJH

# KN3 Series

## 3-FUNCTION PENDANT CONTROLS



## FUNCTIONAL ADVANTAGES

Robustness and durability

Watertightness (IP65)

Recognised design

Customisable

The KN3 series is a compact, portable control station specially designed for operating hoists and lifting equipment. Combining ergonomics, robustness and safety, it guarantees reliable control even in demanding industrial environments. With its IP65 protection rating, double insulation and mechanical interlock system preventing any simultaneous command, the KN3 series meets the strictest international standards. Its impact- and high-temperature-resistant design, combined with laser-engraved symbols for lasting legibility, makes it a durable solution suited to intensive use. Available in various configurations (1 or 2 speeds, NO/NC), as well as a modular kit version, it easily adapts to the specific needs of each application. Versatile and compliant with international standards, the KN3 series stands out as the ideal choice for hoists, overhead cranes, handling systems and light lifting solutions.

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Rated insulation voltage [Ui]: 690 V

Rated impulse withstand voltage [Uimp]: 4 kV

Frequency: 50/60 Hz

Thermal current: 16 A (10 A enclosed)

Electrical durability: up to 1.5 million cycles depending on current

Insulation resistance of contacts: ≤ 25 mΩ

Compliant with IEC / EN 60947-5-1

Material: Robust ABS housing

Cable entry: Ø 7 to 18 mm (rubber sheath)

Terminal type: M3.5 screws

Terminal capacity: flexible or rigid conductor No. 1, 1...2.5 mm²

## ENVIRONMENTAL CHARACTERISTICS

Operating temperatures: -25°C to +70°C

Protection rating: IP65 per IEC/EN60529

**Safety:** Positive-opening contacts, high resistance to impact and humidity

**Versatility:** suited to AC and DC applications, in lifting and handling

Rated operational current [Ie]:

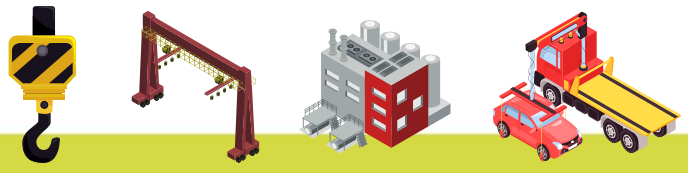
| | | |
|---|---|---|
| Alternating current **AC-15** | 24 V | 16 A |
| | 60 V | 12 A |
| | 120 V | 8 A |
| | 240 V | 6 A |
| | 400 V | 4.5 A |
| | 440 V | 3.5 A |
| | 500 V | 3 A |
| | 690 V | 1 A |
| Direct current **DC-13** | 24 V | 2 A |
| | 48 V | 1.2 A |
| | 60 V | 0.85 A |
| | 110 V | 0.4 A |
| | 220 V | 0.25 A |

Climatic resistance:

IEC 68 part 2-3: steady-state damp heat

IEC 68 part 2-30: cyclic damp heat

## IDEAL FOR...



CE Reach friendly RoHS

## ORDER GUIDE

| Family | | Functions | Model |
|---|---|---|---|
| KN3 | . | 1 | Y |

### FUNCTIONS / CONTACTS

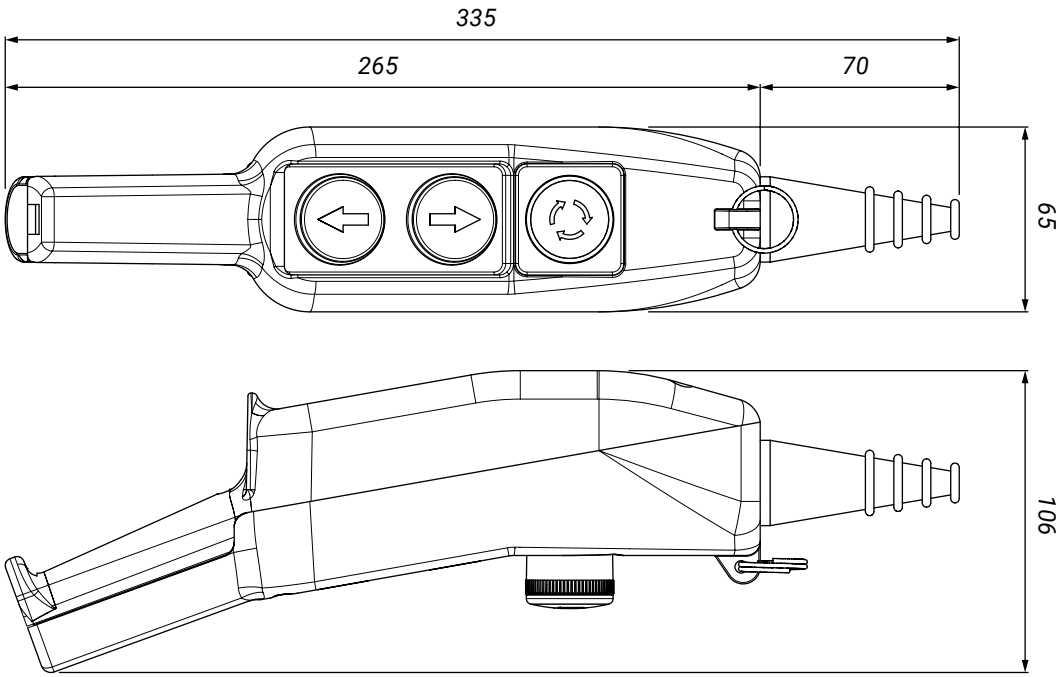
| | | |
|---|---|---|
| 1 | Single-speed | |
| 2 | Single-speed | |
| 3 | Single-speed | |
| 4 | Single-speed | |
| D2* | Two-speed | |
| CD* | Direct Motor Control | |

* Y and N models only

### MODEL

| | | |
|---|---|---|
| Y | Housing: Dark yellow<br>Buttons: Large |  |
| N | Housing: Black Buttons:<br>Large |  |

## TECHNICAL DRAWINGS





# KN3 Series

3-FUNCTION PENDANT CONTROLS

## ABOUT THIS SERIES

Beyond the standard versions, the KN3 series offers full customisation.
Choose your engraved buttons and set each function to your needs: up to 3 NO or NC contacts per control, for a solution that is both unique and perfectly suited to your application.

## CONTACTS



| KN01C | KN01O | KN01D | KN01CCD | KN01OCD |
|---|---|---|---|---|
| CONTACT NC SINGLE-SPEED | CONTACT NO SINGLE-SPEED | CONTACTS NO TWO-SPEED | CONTACT NC SINGLE-SPEED DIRECT MOTOR CONTROL | CONTACT NO SINGLE-SPEED DIRECT MOTOR CONTROL |

## ERGONOMIC BUTTONS







*LASER MARKING: Other markings can be produced according to your specific requirements (subject to minimum order quantity).*

## ACCESSORIES



| KN779 | KNRN8 | Q22IF |
|---|---|---|
| EMERGENCY STOP BUTTON | BLANKING PLUG | MULTI-LED INDICATOR |

***available versions:*** *refer to the Q22I brochure*

**FOR ALL YOUR CUSTOM REQUESTS, CONTACT US !**
sales@kynoppe.com

## KN3, AS UNIQUE AS YOUR APPLICATION

Beyond the standard versions, the KN3 series is fully customisable: configuration of functions and up to 3 NO/NC contacts per control, for a solution tailored to your needs.

**Custom wiring**
- Choice of cable (type, sheath, cross-section) and length to the centimetre
- Pre-fitted end sleeves, lugs, connectors (M12, terminal block, etc.) & wire/terminal marking
- Final testing and ready-to-install from the workshop

**Dedicated laser marking**
- Function names, standardised pictograms
- Customer logo, item codes, serial/batch no.
- Long-lasting legibility, abrasion-resistant marking

**Your benefits**
- Time savings on installation • Fewer wiring errors
- Clear identification during maintenance
- Multi-site consistency