

DK NAND 35 24VDC

Weidmüller Interface GmbH & Co. KG

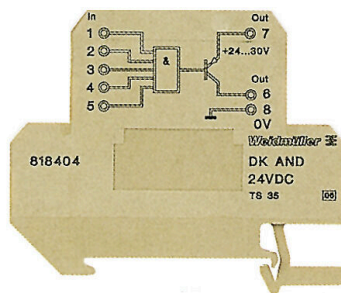
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration



Logic functions AND, NAND, OR and NOR in modular terminal format with a rated cross-section of 4 mm². They each have five inputs which are fed – with logic gating – via a 24 V/20 mA PNP output. The logic components can be used for many applications involving the coupling of digital sensor/actuator signals with automation devices.

General ordering data

| | |
|------------|-------------------------------|
| Version | Function component, NAND Gate |
| Order No. | 8248320000 |
| Type | DK NAND 35 24VDC |
| GTIN (EAN) | 4008190406707 |
| Qty. | 5 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 65 mm | Depth (inches) | 2.5591 inch |
| Height | 57 mm | Height (inches) | 2.2441 inch |
| Width | 12 mm | Width (inches) | 0.4724 inch |
| Length | 65 mm | Length (inches) | 2.5591 inch |
| Net weight | 29.2 g | | |

Temperatures

| | | | |
|---------------------|--|-----------------------|--------------|
| Storage temperature | -40 °C...60 °C | Operating temperature | 0 °C...50 °C |
| Humidity | 40 °C / 93 % rel. humidity, no condensation | | |

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cI |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 35d83707-6a3b-45b5-b9f8-6ba8184c863e |

Functions

Logic function NAND

General data

| | | | |
|---------------------|-------|---------------------------|--------------|
| Protection degree | IP20 | Supply voltage | 24...30 V DC |
| Current consumption | <5 mA | Mounting rail | TS 35 |
| Power consumption | 30 mW | Nominal power consumption | 0.03 VA |

Insulation coordination

Galvanic isolation Without isolation

Input

| | | | |
|----------------|-----------|-------------------|------------------------------------|
| Number inputs | 5 | Rated input level | 24 V DC= High, 0 V = Low |
| Rated voltage | Max. 30 V | Input current | Approx. 1.5 mA per input (24 V) |
| Pulse duration | ≥ 50 μs | | |

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Output

| | | | |
|-------------------|----------------------|------------------------|----------------------|
| Number of outputs | 8-bit (1-bit signed) | Load impedance current | ≤ 600 Ω |
| Output level | PNP, Ub-1.8 V | Switching thresholds | High <15 V, low <9 V |
| Output current | max. 20 mA | | |

General data

| | | | |
|---------------------|---|--------------------|-------------------|
| Open sides | right | Type of connection | Screw connection |
| Humidity | 40 °C / 93 % rel. humidity, no condensation | Input/Output | Logic module |
| Supply voltage | 24...30 V DC | Galvanic isolation | Without isolation |
| Current consumption | <5 mA | Mounting rail | TS 35 |
| Power consumption | 30 mW | | |

Insulation coordination

| | |
|-----------|--|
| Standards | EN 61000-6-2:2005, EN 61000-6-3:2007/ A1:2011, EN 61000-6-4:2007 + A1:2011, CE |
|-----------|--|

Connection data

| | | | |
|----------------------|---------------------|----------------------------------|-------------------|
| Type of connection | Screw connection | Clamping range, rated connection | 4 mm ² |
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 4 mm ² |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001417 | ETIM 9.0 | EC001417 |
| ETIM 10.0 | EC001417 | ECLASS 14.0 | 27-24-22-16 |
| ECLASS 15.0 | 27-24-22-16 | | |

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Drawings

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