

KL1498 | Bus Terminal, 8-channel digital input, 24 V DC, 0.2 ms, ground switching

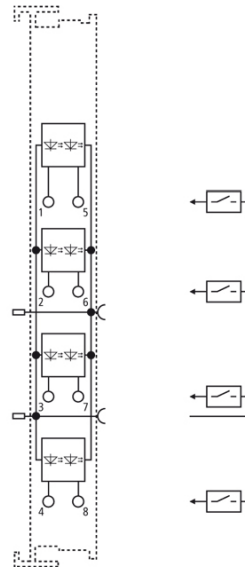
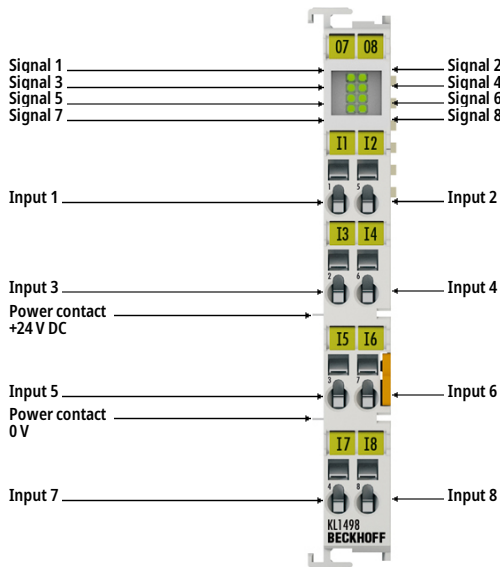
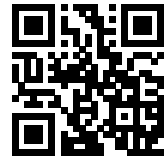


Image similar, may contain optional accessories

i Product status: regular delivery

The KL1498 digital input terminal acquires the binary 24 V DC control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The bus terminal contains eight channels, whose signal states are indicated by light emitting diodes. The KL1498 has the 24 V DC power contact as the reference point for all inputs. The power contacts are connected through.

Special features:

- ground switching
- low delay due to 0.2 ms input filter
- direct connection of multi-channel sensors in 1-wire connection technology in the smallest space

Product information

Technical data

| Technical data | KL1498 |
|-----------------------|---------------------|
| Connection technology | 1-wire |
| Specification | ground switching |
| Number of inputs | 8 |
| Nominal voltage | 24 V DC (-15%/+20%) |

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|------------------------------------|--|
| "0" signal voltage | 18...30 V |
| "1" signal voltage | 0...7 V |
| Input filter | typ. 0.2 ms |
| Input current | typ. 3 mA |
| Current consumption K-bus | typ. 5 mA |
| Current consumption power contacts | typ. 2 mA + load |
| Electrical isolation | 500 V (K-bus/field potential) |
| Bit width in the process image | 8 inputs |
| Configuration | no address or configuration setting |
| Weight | approx. 55 g |
| Operating temperature | 0...55°C |
| Storage temperature | -25...+85°C |
| Relative humidity | 95%, no condensation |
| Vibration/shock resistance | conforms to EN 60068-2-6/EN 60068-2-27 |
| EMC immunity/emission | conforms to EN 61000-6-2/EN 61000-6-4 |
| Protect. rating/installation pos. | IP20/variable |
| Pluggable wiring | for all KSxxxx Bus Terminals |
| Approvals/markings | CE, CCC, UL, ATEX, IECEx |
| Ex marking | ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc |

| Housing data | KL-12-8pin | KS-12-8pin |
|-----------------------------------|---|---|
| Design form | compact terminal housing with signal LEDs | terminal housing with pluggable wiring level |
| Material | polycarbonate | |
| Installation | on 35 mm DIN rail, conforming to EN 60715 with lock | |
| Side by side mounting by means of | double slot and key connection | |
| Marking | labeling of the BZxxxx series | |
| Wiring | solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver | |
| Connection cross-section | s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ² | s*: 0.08...1.5 mm ² , st*: 0.08...1.5 mm ² , f*: 0.14...1.5 mm ² |
| Connection cross-section AWG | s*: AWG28...14, st*: AWG28...14, f*: AWG26...16 | s*: AWG28...16, st*: AWG28...16, f*: AWG26...16 |

| | | |
|-----------------------------|-------------------------|-----------|
| Stripping length | 8...9 mm | 9...10 mm |
| Current load power contacts | I _{max} : 10 A | |
| Dimensions (W x H x D) | 12 mm x 100 mm x 68 mm | |

*s: solid wire; st: stranded wire; f: with ferrule