

Digital Output Expansion Module IKD-OUT-16

Datasheet



Applications

The IKD-OUT-16 is a smart solution to increase number of digital outputs on Kuhse KEA 300 controllers or to use it as a remote input module in a distributed application. It is possible to connect one or more IKD-OUT-16 modules (see table Related Products below).

The IKD-OUT-16 output relays are controlled over the CAN bus connection from the KEA 300 controller. Configuration is performed through the LogicsManager in the KEA 300 and transmitted to the IKD. It requires no configuration tool as few parameters such as module address and CAN baud rate can be setup by onboard DIP switches.

- 16 configurable relay outputs
- plug-n-play connection with Kuhse KEA 300 series controls
- easy integration
- compact remote I/O with IKD-IN-16
- Shorter lead time
- Configuration via Toolkit Software, no extra configuration tool needed
- for 24VDC applications

Description

Features

- 16 configurable FORM C relays with potential free contacts
- CAN bus communication to Kuhse KEA 300 controller
- The control unit sends commands via the CAN bus to remotely control the output relays
- The IKD-OUT-16 can be used with other manufacturer's controllers/PLCs. Consult product manual 37952 for information regarding the CAN bus data telegram
- DIP switches to configure device module number and CAN baud rate.
- Power LED to indicate state of the device (CPU OK).

Technical Data

Power supply	24 VDC (19 to 35 VDC)
Intrinsic consumption	max. 5 W
Reverse voltage protection	yes
Ambient temperature (operation)	-25 to 70 °C / -13 to 158 °F
Ambient temperature (storage)	-30 to 80 °C / -22 to 176 °F
Ambient humidity	93 %, non-condensing
Relay outputs	isolated
Contact material	AgSnO2
Load (GP)	7.00 Adc
Pilot duty (PD)	7A@28V _{DC}
CAN interface	isolated
Insulation voltage (continuously)	2500 Vdc
Version	CAN bus
Internal line termination	no (120 Ohm to be wired externally)
Housing	
DIN-rail mounting	Plastic housing
Dimensions WxHxD	161.6 × 89.7 × 60.7 mm
Connection	Screw-plug-terminals 2.5 mm ²
Weight	approx. 600 g
Protection system	IP20
Disturbance test (CE)	tested according to applicable IEC standards
Listings	CE, UKCA, UL(Pending)

Supported Products

	max. # of IKD-OUT-16
• KEA 320 / KEA 320 RP	2
• KEA 320 / KEA 320 RP	2
• KEA 350 P1 / KEA 350 RP P1	2
• KEA 350 P2 / KEA 350 RP P2	2
• DTSC-200A	1

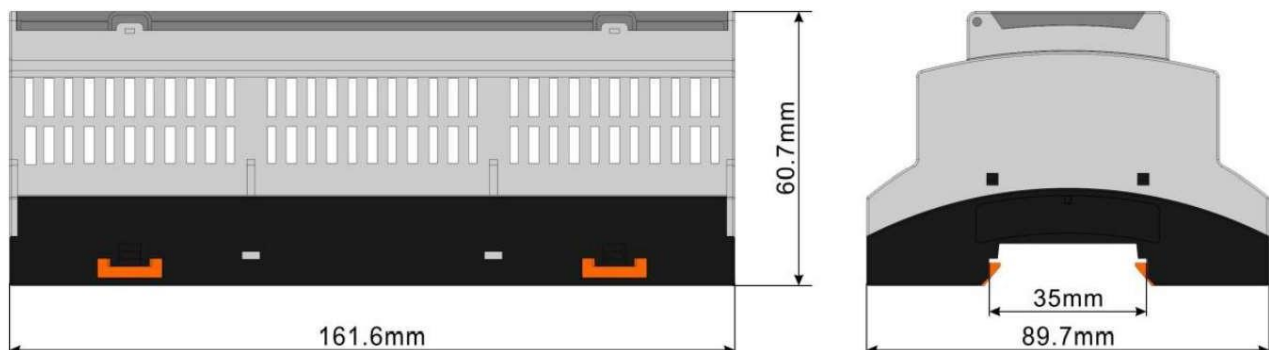
Product Number P/N

- 2RIKD16D00

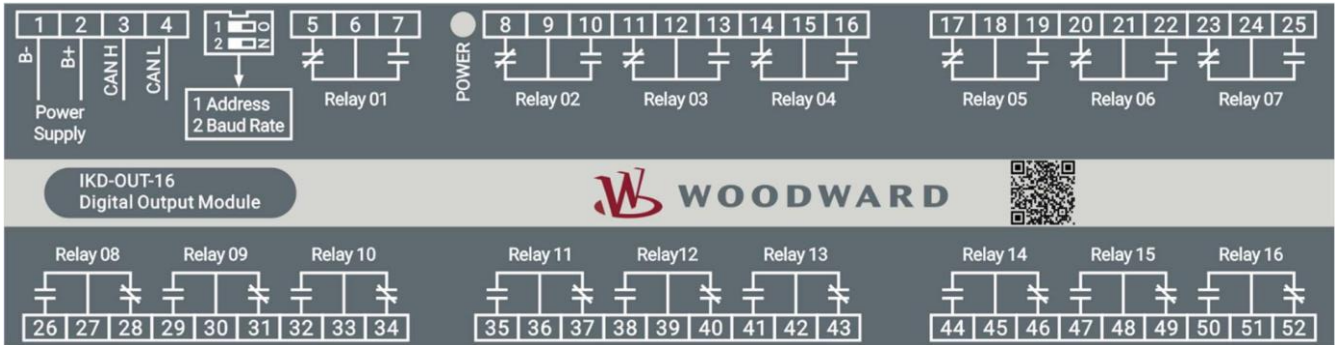
Related Products

- 2RIKD16DI0 | Digital input expansion module IKD-IN-16
- 2RIKD1M000 | Digital I/O expansion module IKD 1

Dimensions



Wiring diagram



Typical applications

The KEA 300's relay manager (LogicsManager™) controls the relays of the IKD-OUT-16. The control logic for each IKD-OUT-16 relay can be programmed individually in the KEA 300 controller. Logic commands can be configured using internal events as well as the status of the digital inputs coming from the IKD-IN-16 or IKD 1 or supported 3rd party remote input modules.

