

Digital Output Expansion Module IKD-OUT-16 UL

Data sheet



General

The IKD-OUT-16 is a smart solution to increase number of digital outputs to Kuhse KEA 300 controls or apply it as a remote output module in your PLC based control system. It is possible to connect one or more IKD-OUT-16 modules (see Related Products below).

The IKD-OUT-16 output relays are controlled over the CAN bus connection from the main controller. Configuration is performed through the LogicsManager in the main controller 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.

Function overview

- 16 configurable relay outputs
- plug-n-play connection with Kuhse controls of KEA 300 series
- easy integration
- compact remote I/O with IKD-IN-16 UL
- Configuration via toolkit software, no additional configuration tool required
- For 24V DC applications
- CAN bus communication
- CE/UKCA marked
- UL/cUL listed

Description

Features

- 16 configurable FORM C relays with potential free contacts, 12 NO contacts, 4 changeover contacts
- CAN bus communication to Kuhse KEA 300 control
- The KEA 300 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 37968 for information regarding the CAN bus data telegram
- DIP switches to configure device module number and CAN baud rate.
- Power and CAN LEDs to indicate state of the device (CPU OK, CAN interface OK)

Technical Data

Power supply	24 VDC (18 to 36 VDC)
Intrinsic consumption	max. 7.5 W
Reverse voltage protection	Yes
Ambient temperature (operation)	-20 to 70 °C / -4 to 158 °F
Ambient temperature (storage)	-30 to 80 °C / -22 to 176 °F
Ambient humidity	95%, non-condensing
Relay outputs	isolated
Contact material	AgSnO2
pole relays (x12)	3A@30VDC, 3A@250VAC, 5A@125VAC, resistive
pole relays (x4)	2A@24VDC, inductive, 16A@250VAC, general purpose
CAN Interface	isolated
Insulation voltage (continuous)	2500 VDC
Version	CAN bus
Internal line termination	yes (terminal 5,6)
Housing	
DIN-rail mounting	Plastic housing
Dimensions WxHxD	161.6 × 89.7 × 60.7 mm
Connection	screw-plug-terminals 2.5 mm ² Protection system IP20
Weight	approx. 600 g
Disturbance test (CE)	tested according to applicable IEC standards
Listings	CE, UKCA, UL/cUL

Related Products

Supported power management controls

- LS-6XT-P2 (LS-6XT-P1) 2 (1)
- KEA 320 Lite / KEA 320 RP Lite 1
- KEA 320 / KEA 320 RP 1
- KEA 350 P1 / KEA 350 RP P1 2
- KEA 350 P2 / KEA 350 RP P2 1
- easYgen-2000 1
- easYgen-800/1500/1700/1800 1
- DTSC-200 and -200A 1

1

Max. # of IKD-OUT-16

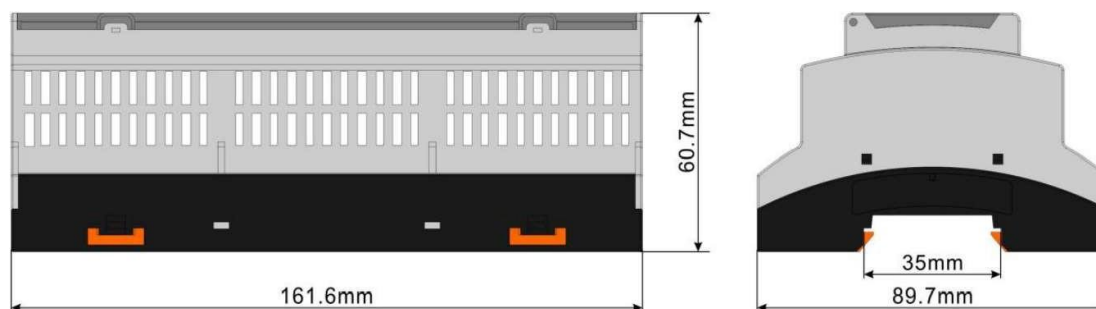
Article number

- 2RIKD16DO1

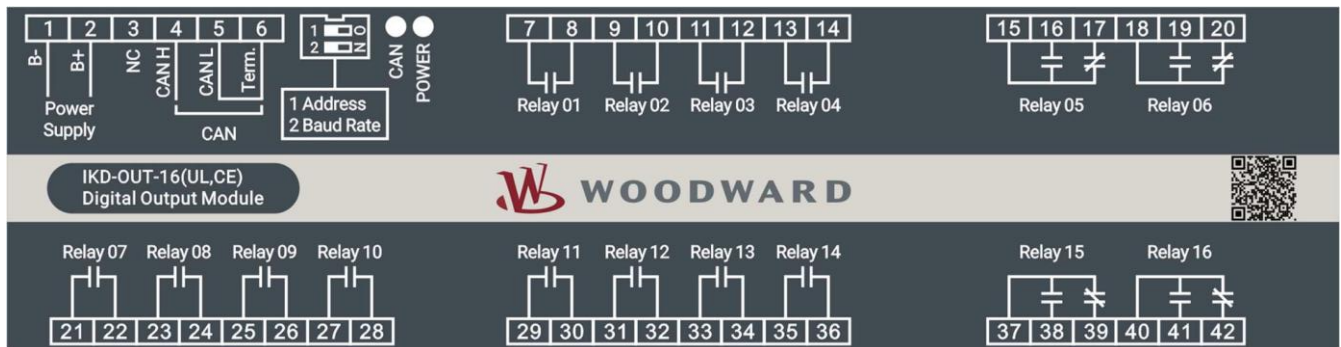
Related products

- 2RIKD16DI1 | Extension module for digital inputs IKD-IN-16 UL
- 2RIKD1M000 | Digital I/O expansion card IKD 1

Dimensions



Terminal Diagram



Typical Applications

The control device's relay manager (LogicsManager™) controls the IKD-OUT-16 relays. The control logic for each IKD-OUT-16 relay can be programmed individually in the control device. Logical 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.

