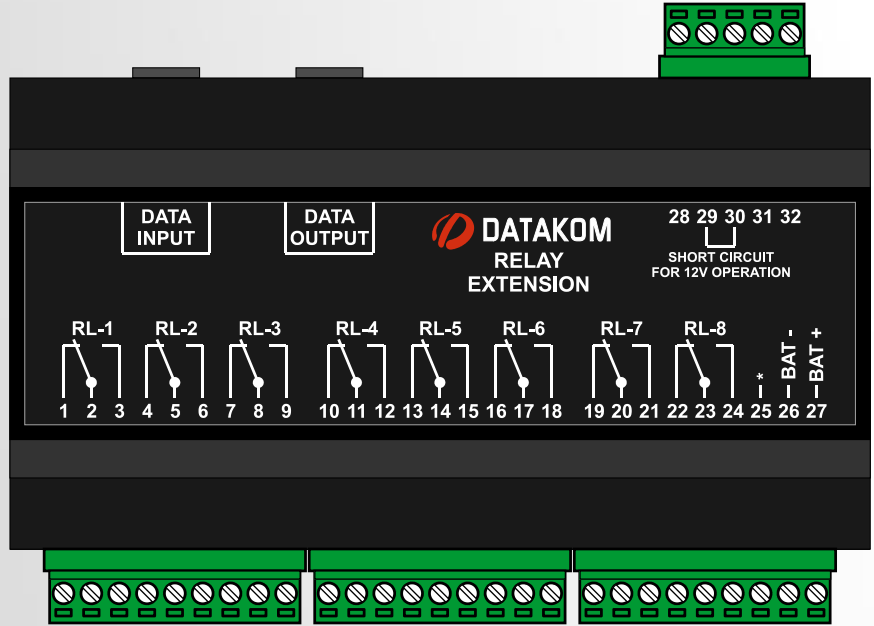


# RELAY EXTENSION UNIT



## DESCRIPTION

The DATAKOM Relay Extension unit is used to increase the number of digital outputs of a DKG-xxx genset control module.

The fet extension unit provides 8 volt-free NO/NC relay outputs, operating when the function is active.

The Relay Extension unit is universal and can be used together with any DKG-xxx unit featuring an extension connector. DKG-xxx modules support generally a maximum of 2 or 4 extension modules, which provides a maximum of 16 or 32 digital outputs.

The units are cascable. The output connector of each module connects to the input connector of the next module. It is also possible to combine a Relay Extension module together with a DKG-186 FET Extension module.

Any output function can be assigned to any digital output. Digital output functions are programmed through the DKG-xxx modules, changing the extension module will not affect output functions.

The unit is designed to be mounted on a DIN Rail, inside a panel. Its size is equivalent to 9 standard circuit breakers.

The unit is powered up from the genset battery. Connections are made with a 2 part plug and socket connector.

## FEATURES

- \* **8 NO/NC volt free relay outputs**
- \* **Cascable for more outputs**
- \* **DIN rail mounted**
- \* **Plug-in connection system for easy replacement**

## TECHNICAL SPECIFICATIONS

**DC Supply Range:** 8.0 to 30.0 V-DC

**Typical Operating Current:** 10 mA-DC (relays inactive)

**Relay Outputs:** 10A @ 250VAC/28VDC

**Operating temp.:** -20°C (-4°F) to 70 °C (158°F).

**Storage temp.:** -40°C (-40°F) to 80 °C (176°F).

**Maximum humidity:** 95% non-condensing.

**Dimensions:** 70 x 106 x 58 mm (WxHxD)

**Weight:** 110 g (approx.)

## INSTALLATION

**TERMINAL-26 :** Connect BAT+

**TERMINAL-27 :** Connect BAT-

**TERMINALS-29-30 :** Connect these terminals together for 12V-DC operation (for 24V-DC operation leave open)

**DATA INPUT :** Connect one end of the telephone cable (type 6P6) to this connector. Connect the other end of the cable to the DKG-3XX/5XX unit

