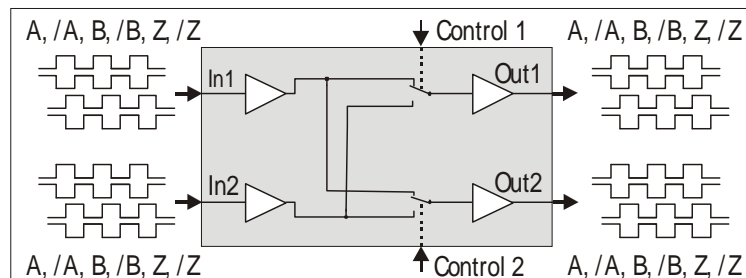
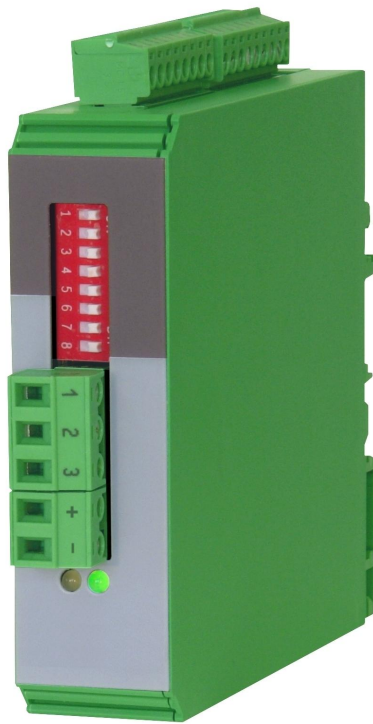


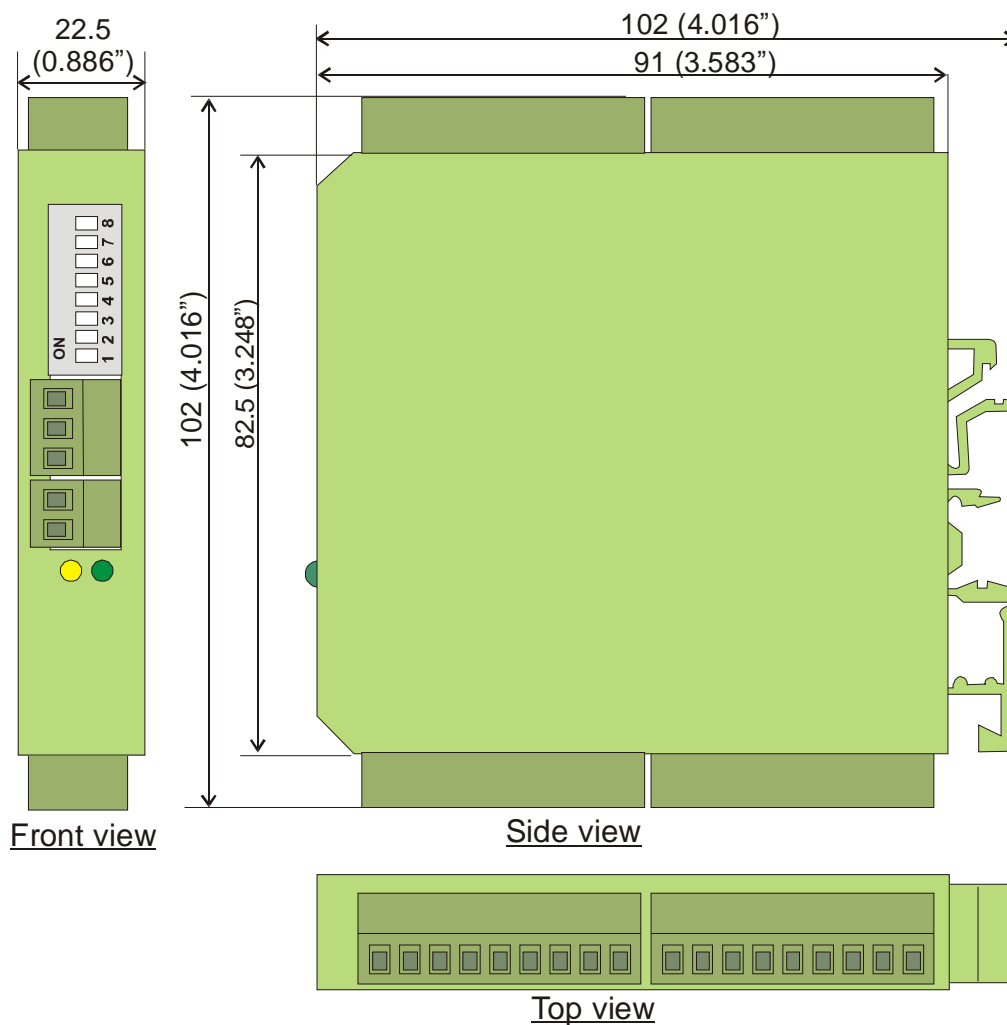
# DKGV31432

## Cross Switcher and Splitter for Incremental Encoder Signals



- Universal encoder interface, applicable as level converter, encoder splitter and encoder cross switch
- Two encoder inputs A, B, Z and /A, /B, /Z, adjustable to either TTL/RS422 level or to HTL (10-30 volts) level
- Two signal outputs A, B, Z and /A, /B, /Z, likewise adjustable to either TTL/RS422 or HTL (10-30 volts) level
- High frequency range ( 1 MHz )
- Contactless and bounce-free switch-over between the encoder channels, by remote control signals
- Power supply 12-30 volts DC, auxiliary output 5 volts for encoder supply

# 1. Dimensions



## 2. Technical Specifications

Power supply Vin	:	12 - 30 Vdc
Power consumption	:	50 mA (no-load operation)
Aux. encoder supply output	:	5.2 volts and Vin – 2 volts, 2x 125 mA (short-circuit-proof)
Max. frequency	:	1 MHz (RS422 or TTL differential) 250 kHz (HTL and TTL single-ended)
Inputs	:	Single-ended A, B, Z (2x) or differential A, /A, B, /B, Z, /Z (2x), 2 – 30 volts
Outputs	:	Push-pull A, /A, B, /B, Z, /Z (2x) Level 5 – 30 volts, 30 mA (short-circuit-proof)
Signal propagation delay	:	approx. 600 nsec.
Temperature range *)	:	Operation: -20° - +60°C (-04° - +140°F) Storage: -30° - +75°C (-22° - +167°F)
Weight	:	ca. 100 g
Conformity and standards	:	EMC 89/336/EEC: EN 61000-6-2 EN 61000-6-3 LV73/23/EEC: EN 61010-1

\*) Humidity non-condensing