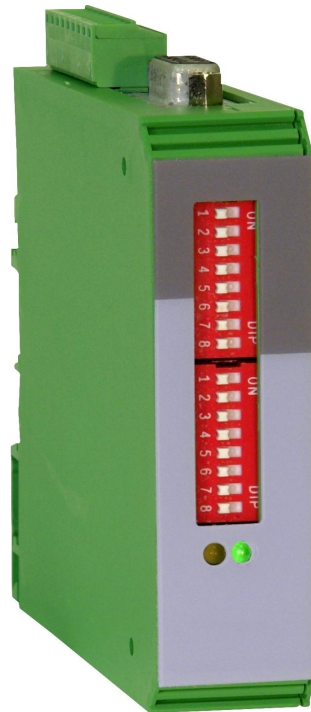


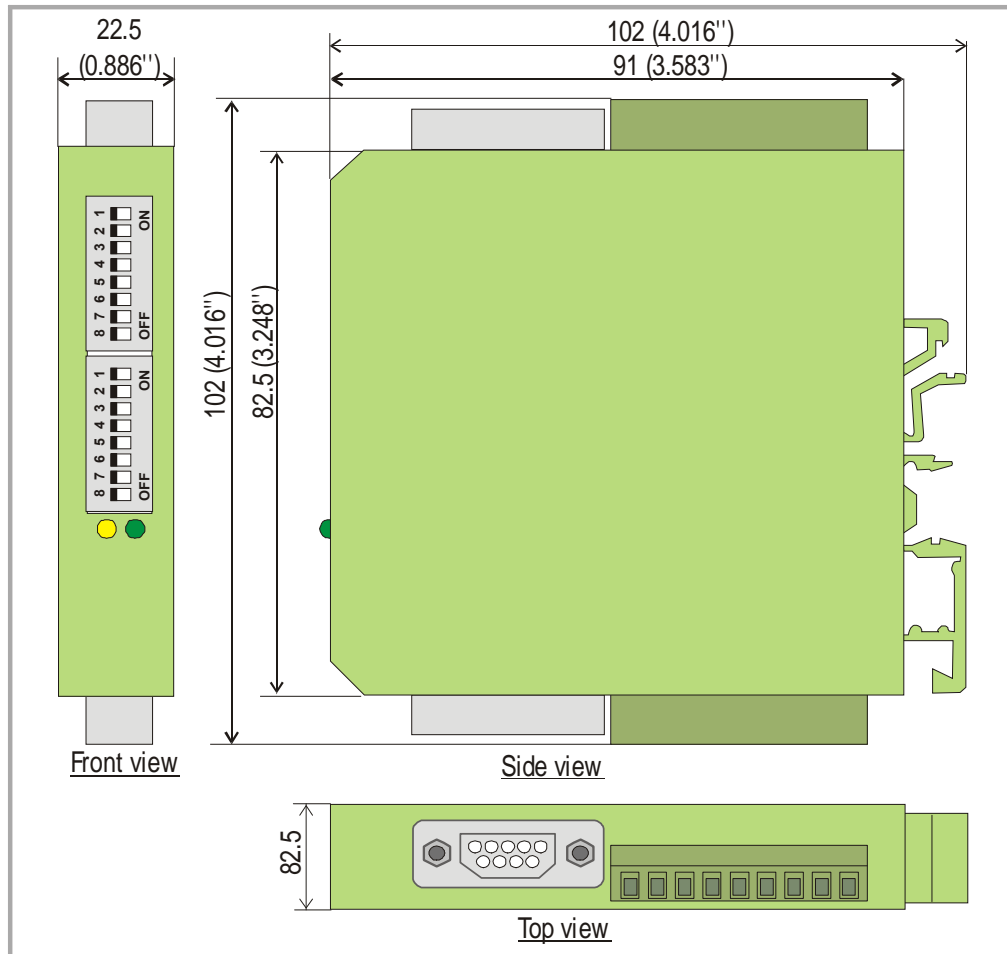
# DKPU31432

## Level Converter, Potential Separator and Direction Signal Decoder for Incremental Encoder Signals



- Signal inputs A, B, Z and /A, /B, /Z, adjustable to either RS422 format or TTL level or HTL (10-30V) level
- Signal outputs A, B, Z and /A, /B, /Z, likewise adjustable to either RS422 format or TTL level or HTL (10-30V) level
- Potential separation between input and output
- Conversion of a A/B quadrature direction signal to a static direction output and vice-versa
- Encoder connection alternatively via Sub-D-connectors or parallel screw terminal strips

# 1. Dimensions and Specifications



Power Supply $V_{in}$	: 5 - 30 V DC
Current consumption (without load)	: 50 mA
Max. frequency	: 500 kHz (RS422), 300 kHz (HTL)
Input	: a) Differential RS422 (A, /A, B, /B, Z, /Z), level 3 - 30 V, (differential voltage min. 1 V) b) Single-ended A, B, Z at HTL level 10 - 30 V (Standard application) c) Single-ended A, B, Z at TTL level 5 V (special application, needs special DIL switch setting)
Output	: HTL or TTL, push/pull (A, /A, B, /B, Z, /Z), 5 - 30V, 30 mA
Propagation delay time	: approx. 600 ns
Temperature range (°C)	: Operation: 0° - 45 °C (32 - 113°F) Storage: -25° - + 75°C (-13 - 158°F)
Weight	: approx. 100g
Conformity and standards	: EMC 2004/108/EEC: EN 61000-6-2 EN 61000-6-3

**MEYER INDUSTRIE-ELECTRONIC GMBH**  
 Systeme und Komponenten für die Automatisierungstechnik  
 Telefon: 0 54 81-93 85-0 · Fax: 0 54 81-93 85-12

Internet: <http://www.meyle.de> · E-Mail: [sales@meyle.de](mailto:sales@meyle.de)