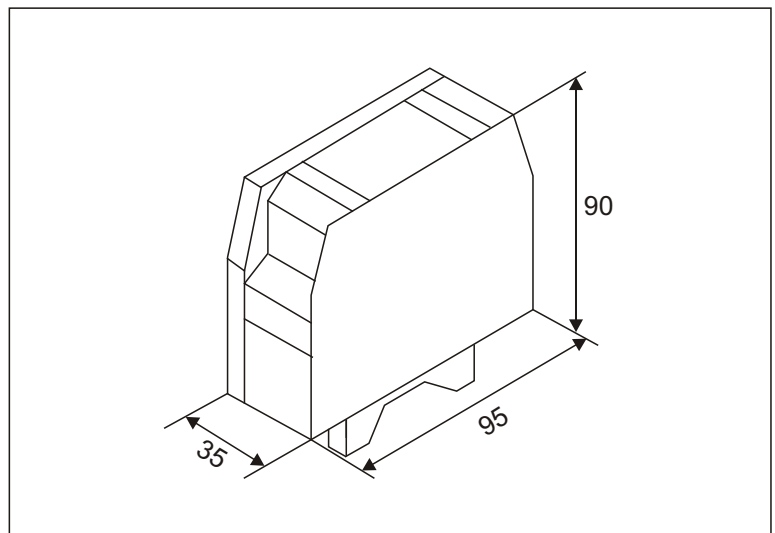




Signal Converter SK10

Conversion and Level Conditioning of Encoder Signals

- Signal level from 5/12/24 V to RS422-signals and 24 V (PLC compatible)
- Galvanic isolation
- 1:1 conversion
- Conversion of encoder information into clock and direction signals
- conversion of encoder information into clockwise (c.w.) and counterclockwise (c.c.w.) signals



Ordering Code	SK10.100	1:1 conversion; signal level transformation
	SK10.200	Conversion into clock and direction signals
	SK10.300	Conversion into c.w. and c.c.w. signals

esitron-electronic GmbH

Ernst-Zimmermann-Str. 18
D-88045 Friedrichshafen
Internet: www.esitron.de

Tel. +49(0)7541-6000-0
Fax +49(0)7541-6000-11
E-Mail: info@esitron.de

General

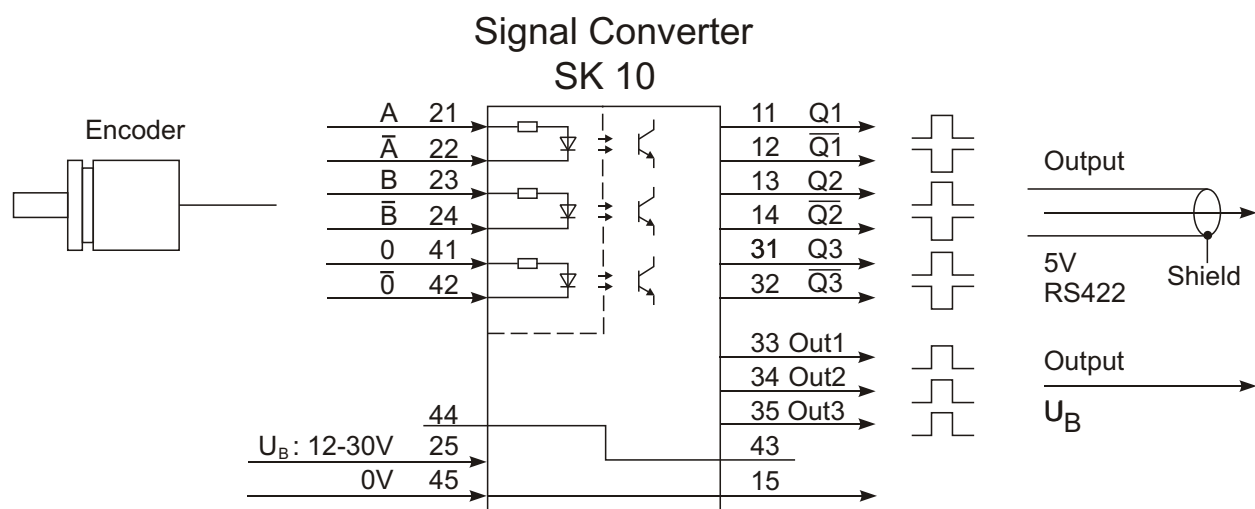
Ambient temperature: 0 to +50 C°
 Storage temperature: -20 to +70 C°
 Weight: ca. 0.1 kg
 Dimensions: 35x90x95 (WxDxH in mm)
 Termination: pressure screw with wire protector
 Mounting: TS 35 rail
 Protective system: IP20

Supply Voltage

Input voltage
 Nominal: 24 V DC +/- 20%
 Permissible range: 12 - 30 V DC
 Ripple: < 5%
 Reverse polarity
 protected: yes
 Input current: ca. 0.1A

Encoder Signals

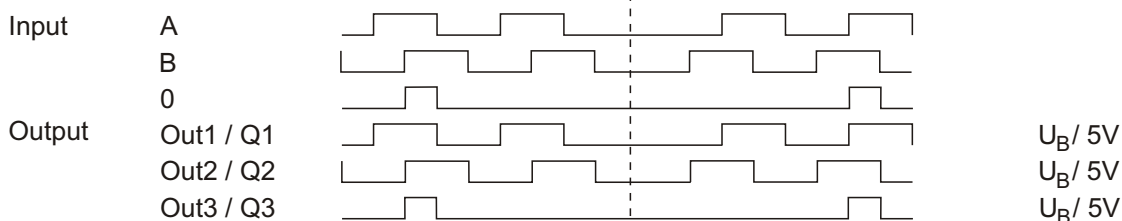
Signal level: 5 - 30 V DC
 Clock frequency (12 - 30 V outputs): 100 kHz
 Clock frequency (RS 422 outputs): 300 kHz



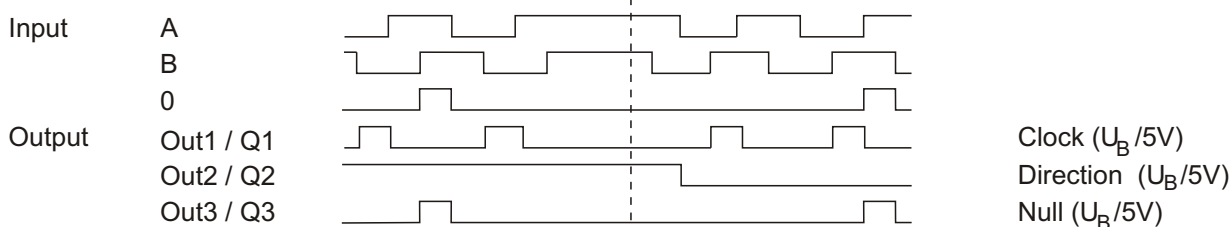
Forward

Reverse

SK10.1 Signal level conversion from 5 V to 24 V signals or 24 V to 5 V signals



SK10.2 Conversion of encoder information into clock and direction signals



SK10.3 Conversion of encoder information into c.w. and c.c.w. signals

