

DKGV31682 / DKG31682

Impulse Splitters for Incremental Encoders with
Potential Separation between Input and Outputs

DKGV31602 / DKG31603

Impulse Splitters for Incremental Encoders
with all-around Potential Separation of all Circuits



DKGV31682 and DKG31682:
Splitters with 8 Output Channels
Out1 – Out8

DKGV31602 and DKG31603:
Splitters with 4 Output Channels
Out1 – Out4

1. Technical Specifications

Power supply	:	10 – 30 VDC
Power consumption: (without encoder supply)	:	ca. 40 mA
Aux. encoder supply *)	:	built-in 5.5 V, 200 mA (short-circuit proof)
Max. frequency	:	TTL (differential) and RS422: 500 kHz (diff. voltage >0,5V) HTL (10 - 30 V): 200 kHz
Input level with HTL single-ended (no inverted signal available)	:	Low: < 4 V, High: > 10 V
Input level "Select" Input	:	Low: < 4 V, High: > 10 V
Cascading input	:	A, B, Z, Pegel 5 V (CMOS, Low <0.8 V, High >3.5 V)
Outputs	:	Push-pull stages 5 – 30 V / 30 mA (short-circuit-proof)
Propagation delay time	:	400 nsec.
Mounting	:	Standard DIN rail
Weight	:	approx. 400 g
Temperature range **)	:	Operation: -20° - +60°C (-04° - +140°F) Storage: -30° - +75°C (-22° - +167°F)
Conformity and standards	:	EMC 2004/108/EC: EN 61000-6-2 EN 61000-6-3

*) Please observe galvanic connection to the power supply

**) Humidity non-condensing

2. Dimensions

