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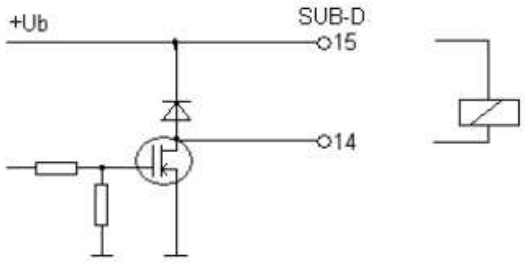
SIN/COS-Encoder Simulator

Infonummer: 01027-81

Header – Pin function

Pin Nr.	Bezeichnung
1	GND
2	res.
3	res.
4	Output 1Vpp SIN -
5	Output 1Vpp SIN +
6	Output 1Vpp COS -
7	Output 1Vpp COS +
8	$+U_B$ (12VDC to 30VDC)
9	res.
10	res.
11	res.
12	res.
13	res.
14	Digital Output o.D. driver
15	Digital Output o.D. power

Digital Output



Electrical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
DC Supply Voltage	U_B	12	24	30	[V]
DC Supply Current (Standby)	I_B		20		[mA]
Signal frequency	f_S	1		722000	[Hz]
AC-output level (SIN and COS track) (termination R_L = 120Ω)	u_S		1		[V_{PP}]
DC-Offset level	U_S		2,5		[V]
Angle between SIN and COS track (CCW / CW)	Δφ	-93		+93	[°]
Operating Temperature	T_A	0		50	[℃]
IP	IP	00		20	