

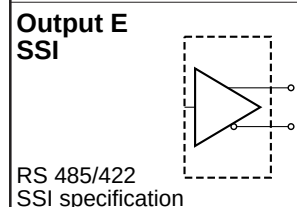
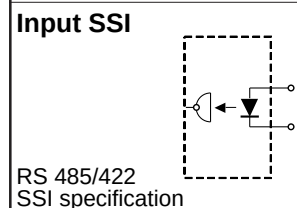
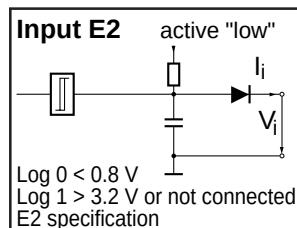
- Ausgabecode : Gray
- Auflösung : 4096 Schritte je 360°
- Meßbereich : 1 Umdrehung
- Gegenstecker : Binder Serie 423 EMV
Kontaktanzahl : 7 (Buchse)
- Arbeitstemperaturbereich : -20°C ... +60°C

Output code : Gray
Resolution : 4096 positions per 360°
Measurement range : 1 turn
Counter plug : Binder series 423 EMC
Number of contacts : 7 (socket)
Operating temperature range : -20°C ... +60°C

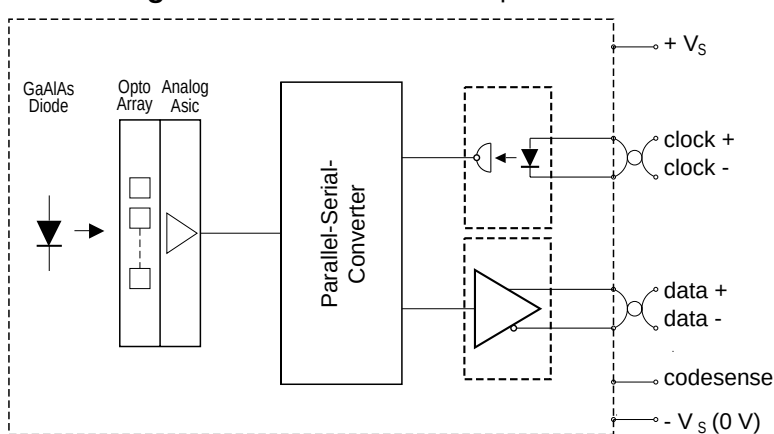
Kontakt-Nr Pin No	Belegt mit ...	Connected to ...
1	- $U_B = 0$ Volt	- $V_S = 0$ VDC
2	DATA OUT +	DATA OUT + differential-data driver according to specification
3	DATA OUT -	DATA OUT - of RS 485/422 standard
4	TAKT IN +	CLOCK IN + differential-clock input (opto-coupler) for peripheral
5	TAKT IN -	CLOCK IN - driver acc. to specification of RS 485/422
6	Codeverlauf (Eingangsschaltung E2) CW bei $U_e = \text{"Log 0"}$ CCW bei $U_e = \text{"Log 1"}$	Code sense (Input circuit E2) CW at $V_i = \text{"Log 0"}$ CCW at $V_i = \text{"Log 1"}$
7	+ $U_B = 11 \dots 30$ Volt $I_o < 90$ mA (typ. $I_o = 70$ mA)	+ $V_S = 11 \dots 30$ VDC $I_o < 90$ mA (typ. $I_o = 70$ mA)

Zusätzliche Informationen siehe Rückseite

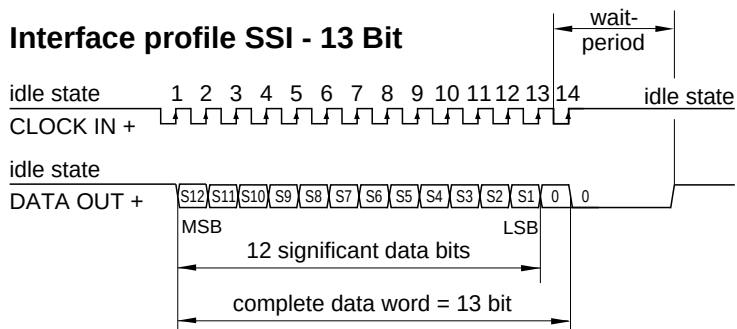
Additional informations p.t.o.



Block Diagram



Interface profile SSI - 13 Bit



- Paarweise verdrehte Anschlußleitungen verwenden

Zusammengehörige Adernpaare:

TAKT IN + / TAKT IN -

DATA OUT + / DATA OUT -

- Codeverlauf:

CW = Aufsteigender Code bei Drehung der Welle
im Uhrzeigersinn

CCW = Aufsteigender Code bei Drehung der Welle
im Gegenuhrzeigersinn

- Wartezeit = Monoflopzeit = $t_M = 10...30\mu s$

Use twisted pair connecting cables

Paired cores belonging together:

CLOCK IN + / CLOCK IN -

DATA OUT + / DATA OUT -

Code sense:

CW = Increasing code when turning the shaft clockwise

*CCW = Increasing code when turning the shaft counter-
clockwise*

Waitperiod = monofloptime = $t_M = 10...30\mu s$