

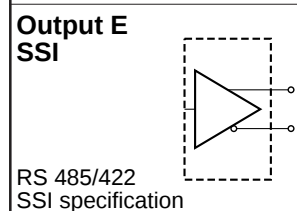
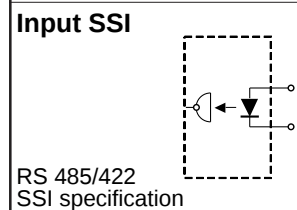
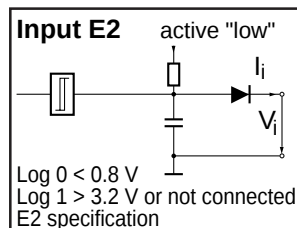
- Ausgabecode : Gray
- Auflösung : 8192 Schritte je 360°
- Meßbereich : 1 Umdrehung
- Gegenstecker : Binder Serie 423 EMV  
Kontaktanzahl : 7 (Buchse)
- Arbeitstemperaturbereich : -20°C ... +60°C

Output code : Gray  
Resolution : 8192 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

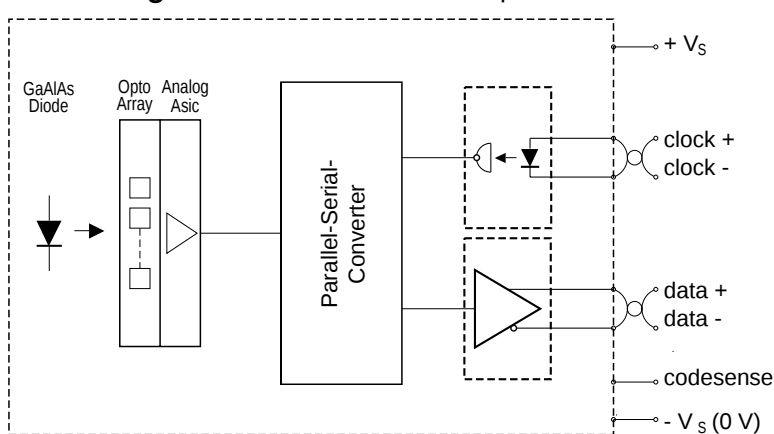
| Kontakt-Nr<br>Pin No | Belegt mit ...                                                                                               | Connected to ...                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1                    | - $U_B = 0$ Volt                                                                                             | - $V_S = 0$ VDC                                                                                       |
| 2                    | <b>DATA OUT +</b> Differential-Datentreiber                                                                  | <b>DATA OUT +</b> differential-data driver according to specification                                 |
| 3                    | <b>DATA OUT -</b> gemäß Spezifikation nach RS 485/422 Norm                                                   | <b>DATA OUT -</b> of RS 485/422 standard                                                              |
| 4                    | <b>TAKT IN +</b> Differential-Takteingang (Optokoppler)                                                      | <b>CLOCK IN +</b> differential-clock input (opto-coupler) for peripheral                              |
| 5                    | <b>TAKT IN -</b> für Datentreibergemäß RS 485/422 Norm                                                       | <b>CLOCK IN -</b> driver acc. to specification of RS 485/422                                          |
| 6                    | <b>Codeverlauf (Eingangsschaltung E2)</b><br>CW bei $U_e = \text{"Log 0"}$<br>CCW bei $U_e = \text{"Log 1"}$ | <b>Code sense (Input circuit E2)</b><br>CW at $V_i = \text{"Log 0"}$<br>CCW at $V_i = \text{"Log 1"}$ |
| 7                    | + $U_B = 11 \dots 30$ Volt $I_o < 100$ mA (typ. $I_o = 80$ mA)                                               | + $V_S = 11 \dots 30$ VDC $I_o < 100$ mA (typ. $I_o = 80$ mA)                                         |

Zusätzliche Informationen siehe Rückseite

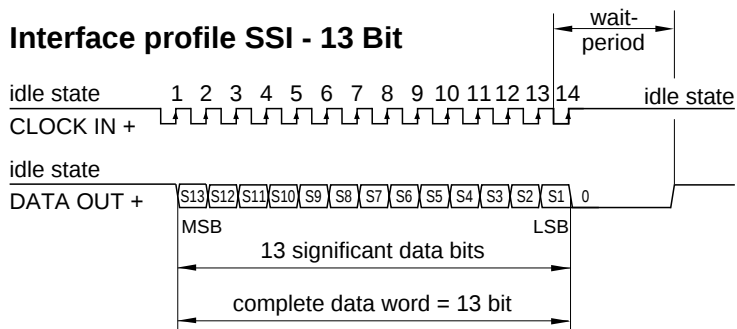
Additional informations p.t.o.



### 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 =  $t_M = 10...30\mu s$*