

## Serie ESM 80



- **Impulse / Pulses** 100 / 25  
(Feinrasterung / Precision click point)
- **Kanäle / Channels** A / B
- **Speisespannung / Power supply** 5V oder/oder 12V DC
- **Ausgangstreiber / Output driver** Pull up
- **Schutzart (montiert) / Protection (mounted)** IP 50

### Technische Daten

Stromverbrauch  
Abtastfrequenz  
Ausgangsbelastung  
Signalpegel  
Anstiegs + Abfallzeit  
Auflösung  
Drehmoment  
Rastmoment (Click point)  
Lebensdauer (Rastmoment)  
Arbeits- / Lagertemperatur  
Luftfeuchtigkeit  
Vibration / Schock  
Gewicht

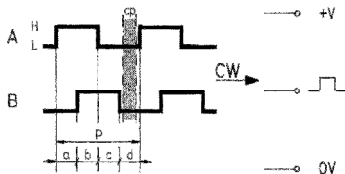
### Technical data

Current consumption  
Scanning frequency  
Output current  
Output voltage  
Signal rising + Falling time  
Resolution  
Torque  
Torque (Click point)  
Rotation life (Notched disc)  
Operating- / Storage temperature  
Atmospheric humidity  
Vibration / Shock  
Weight

50 mA (4,5...13,2V DC) 70 mA (5V DC $\pm$ 10 %)  
<5 kHz  
20 mA  
High = -1V / Low = <0,5V  
1  $\mu$ s  
1% = 3,6° (25 Pulses = 14,4°)  
<0,2 Ncm  
4 Ncm  
1.10<sup>6</sup> Umdr. (200 rpm)  
-10 °C +60 °C / -20 °C +70 °C  
85 % RH  
10...55 Hz 1,5 mm 2 hr / 50G (11 ms) X,Y,Z  
~200 g

### Ausgangskanäle / Output channels

cp = Rasterabstand / Click point  
p = Periode

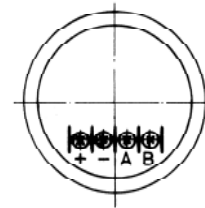


### Ausgangstreiber / Output driver

Pull up (NPN) 2 K $\Omega$   
Pull up (NPN) 330  $\Omega$  (FANUC)

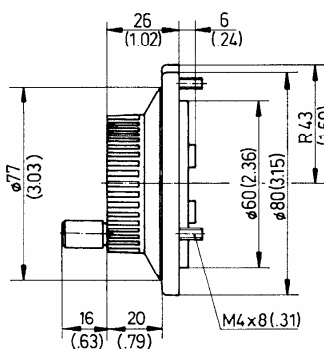
### Anschlüsse / Connection

Schraubklemme / Terminal block

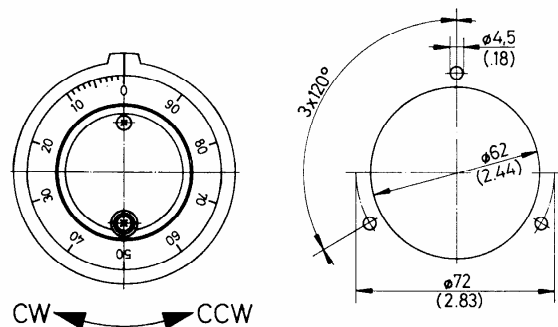


### Massbild (Zoll in Klammern) / Outline drawing (inch. in bracket)

<sup>2+3)</sup> Auf Anfrage / On request



### Bohrplan / Cut out



### Bestelltext

#### Typ

### How to order

#### Type

### Digitaler Wegaufnehmer

#### ESM80. x x x x x

### Bestellschlüssel

Typ  
Gehäusegrösse  $\phi$  80 mm  
Ausgangskanäle  
Impulse / Umdrehung

Speisespannung  
Ausgangstreiber

Speisespannung (Typ FANUC)  
Ausgangstreiber  
Kabelanschluss (Schraubklemme)

### Order key

Type  
Dimension DIA 3.15 inch  
Number of channels  
Pulses / Revolution

Power supply  
Output driver

Power supply (Type FANUC)  
Output driver  
Connection (Terminal block)

### ESM80. x x x x x

|                 |                           |  |
|-----------------|---------------------------|--|
| 1               | A / B                     |  |
| 1               | 100                       |  |
| 2               | 25                        |  |
| 1               | 4,5...13,2V DC            |  |
| 1               | Pull up (2 K $\Omega$ )   |  |
| 2 <sup>3)</sup> | 5V DC $\pm$ 10 %          |  |
| 2 <sup>3)</sup> | Pull-up (330 $\Omega$ )   |  |
| 1               | rückseitig / at rear side |  |