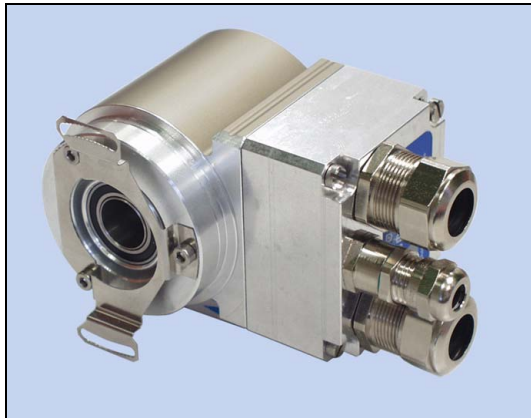
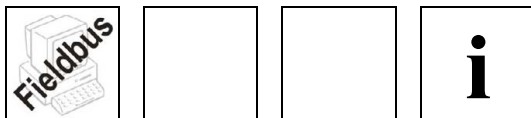


Absolute-Encoder CEH 58 S - PB

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 D-78647 Trossingen
 Tel. +49 - (0) 74 25 / 228 - 0
 Fax +49 - (0) 74 25 / 228 - 33
<http://www.tr-electronic.de>
 Germany



- PROFIBUS-DP interface
- Type with hollow through shaft
- Modular product line
- Extensive parameter setting possibilities
- Special parameters upon request
- Short lead times
- Further interfaces available
- Modular construction for mechanical customizations

5.A

Characteristics

Supply voltage.....	11...27 VDC
Current consumption without load	< 350 mA
Total resolution ¹⁾	≤ 13 Bit
Number of steps/revolution ¹⁾	≤ 8.192
Number of revolutions.....	1
Profibus-DP V0	IEC 61158, IEC 61784
PNO Encoder-Profile.....	Class 1 and 2
- Parameter ¹⁾	Switch-over count direction, scaling function etc.
Output code ¹⁾	Binary, Gray, shifted Gray
Addressing	3...99, adjustable by means of rotary switches
Baud rate.....	9.6 kbit/s...12 Mbit/s
TR-specific functions ¹⁾	Gearbox, velocity output
Mechanically permissible speed	≤ 6.000 min ⁻¹
Shaft load.....	Own mass
Bearing life time	≥ 3.9 * 10 ¹⁰ revolutions at
- Speed	≤ 6.000 min ⁻¹
- Operating temperature	≤ 60 °C
Shaft diameter in mm	8H7, 10H7, 12H7
Permissible angular acceleration	≤ 10 ⁴ rad/s ²
Moment of inertia	typically 2.5 * 10 ⁻⁶ kg m ²
Start-up torque at 20°C.....	typically 3.7 Ncm
Mass.....	0.3 kg...0.5 kg

¹⁾ programmable parameter

