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Contact Details

The Encoder Company
H. Kuhnke Ltd
Unit 21, Abbey Enterprise Centre
Premier Way
Romsey
Hants.
SO51 9AQ
UK

T: +44 (0)1794 514445
F: +44 (0)1794 513514
Email: sales@theencodercompany.co.uk

Important Note

The information shown in these documents is for guidance only. No liability is accepted for any errors or omissions. The designer or user is solely responsible for the safe and proper application of the parts, assemblies or equipment described.



AC 58 with hub shaft



AC 58 with solid shaft

- Compact design
- SUCOnet or Hengstler-G1-Protocol
- Parameterizable: preset, direction, scaling factor, resolution
- PC communication via RS 485 with Hengstler-G1-Protocol

TECHNICAL DATA mechanical

Housing diameter	58mm
Shaft	one sided open hub shaft, Vollwelle
Flange	Synchro flange, clamping flange, hubshaft with tether, square flange
Shaft diameter	Solid shaft 6 mm, 10 mm; hub shaft 10 mm, 12mm
Protection class shaft input	IP64 or IP67
Protection class housing	IP64
Max. shaft load axial/ radial	40/ 60 N
Starting torque	≤ 0,5 Ncm
Max. speed	12 000 min ⁻¹ (short term) 10 000 min ⁻¹ (continuous)
Operating temperature	-10...+60 °C
Storage temperature	-25...+85 °C
Shock resistance	1 000 m/ s ²
Vibration resistance	100 m/ s ²
Material shaft	Stainless steel
Material housing	Aluminium
Weight ST/MT	260g/ 310g

TECHNICAL DATA electrical

Supply voltage	DC 10 - 30 V
Max. current w/o load	200 mA
EMC	Interference emission according to EN 50081-2 Interference resistance according to EN 50082-2
Interface	RS485
Protocol	SUCOnet or Hengstler-G1-Protocol
Resolution singleturn	10 - 13 Bit
Resolution multiturn	12 Bit
Output code	Binary
Linearity	± ½ LSB (± 1 LSB for resolution 13 and 25 Bit)
Device address	set via DIP switches
Bus termination resistor	set via DIP switches
Programmable (SUCOnet)	Direction, Resolution
Connection	Cable radial or axial

DIMENSIONAL DRAWINGS

see chapter "Dimensional drawings ACURO industry", starting page 146

PIN ASSIGNMENT

Colour	Signal
red	DC 10 - 30 V
blue	0 V
pink	Data (in)
grey	$\overline{\text{Data}}$ (in)
yellow	Data (out)
green	$\overline{\text{Data}}$ (out)
white brown	GND

ACCESSORIES

	Ordering code
Technical manual, German	2 547 080
Technical manual, English	2 547 081

ORDERING INFORMATION

Type	Resolution	Supply voltage	Flange, Protection, Shaft	Interface	Connection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC58	0010 10 Bit ST 0012 12 Bit ST 0013 13 Bit ST 1210 12 Bit MT+10 Bit ST 1212 12 Bit MT+12 Bit ST 1213 12 Bit MT+13 Bit ST	E DC 10 - 30 V	S.41 Synchro, IP64, 6x10mm K.42 Clamping, IP64, 10x19,5mm K.46 Clamping, IP64, 9,52x19,5mm F.42 Hubshaft with tether, IP64, 10x19,5mm, hollow shaft F.47 Hubshaft with tether, IP64, 12x19,5mm, hollow shaft F.46 Hubshaft with tether, IP64, 9,52x19,5mm, hollow shaft Q.42 Square, IP64, 10x19,5mm Q.46 Square, IP64, 9,52x19,5mm	US SUCOnet RS Hengstler-G1-Protocol	A cable, axial B cable, radial
Preferably available versions are printed in bold type.					