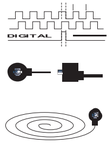
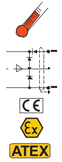
Industries

Further options



- Digital output: standard, inverted or differentiated. Including zero pulse (Z).
- Cable output: rear (axial) sideways (radial)
- Cable length: on request

Standard for all encoders



- Robust, compact electronic, ESD protected, SMD technology
- Directly connectable to PLC or Counter
- Output connection can be made with a cable or through connectors
- Accuracy: Corresponds to the smallest variation that the sensor can detect (degree, µm).
- Reliability: Corresponds to the average variation between two consecutive measurements.
- CE certified by EN50081-1 & EN50082-2

Mounting kits

Maxon motor
Mounting flange and spring coupling-kit available for motors from ø9, ø16 up to ø45 and ø75

Faulhaber and Minimotors
Mounting flange and spring coupling kits available for motors from ø9, ø16 up to ø38

Wittenstein
Mounting flange and spring coupling kits available for motors from ø22 up to ø32

Portescap
for 28DT12

Mavilor
Mounting flange and spring coupling kits available for motors from ø24 up to ø34 and ø34

Dunkermotors
for ø60

Transcoil
for ø16 and ø19

Danfoss
for OMS

More than 150 mounting kits for small DC / EC motors

Accessories

- metal bellow couplings
- Polyamide couplings
- Spring coupling
- Measuring wheels
- Mil plug, mounted axially
- IDC plug for flat cable
- Coninamplifier

- Mounting flange
- Pressure chamber
- Mounting plates
- Torsional stiff spring coupling
- Costum rotary encoder solutions
- very large axle bearing blocks
- More than 150 special accessory sets for small DC / EC motors

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Our Agent

01-12-2019

SCANCON Industrial Encoders

Product Overview

INDUSTRIAL ENCODERS

- Hollow shaft
- Hollow bore
- Shaft
- Micro Ø16
- Mini Ø24
- Standard Ø50
- Heavy Ø108
- Customized solutions
- Suitable for heavy engineering
- Ex-Proof
- Up to 12500 pulses
- Accessories

ATEX CE IECEx cPSus SSI CANopen EtherNet/IP DeviceNet PROFINET PROFIBUS

Industrial encoders - incremental

Product type	Pulses	Diameter without spring	Max. frequency or Rpm	Shaft loading	Supply voltage	IP-protection type	Shaft diameter	Options
SC09 Nano hollow shaft Rotary encoder **Nano - Ø 9**	500	Ø 9 mm	200kHZ or max. 12000 Rpm	Radial: 1N Axial: 1N	5,0V	IP54	Ø 2	- Flat cable
SCA16 Micro shaft Rotary encoder **Micro - Ø 16**	100 up to 5000	Ø 16 mm	200kHZ or max. 12000 Rpm	Radial: 5N Axial: 5N	5,0V	IP50 or IP60	Ø 2 Ø 3 Ø 4	- Flat cable - 10 Conductors with IDC-connector
SCH16F Micro hollow shaft Rotary encoder **Micro - Ø 16**	100 up to 5000	Ø 16 mm	200kHZ or max. 12000 Rpm	Radial: 5N Axial: 5N	5,0V	IP50	Ø 1,5 Ø 2 Ø 3 Ø 1/8"	- Flat cable - 10 Conductors with IDC-connector
SCA24 Mini shaft Rotary encoder **Mini - Ø 24**	4 up to 7500	Ø 24 mm	200kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP64 or IP65	Ø 4 Ø 6	- Shaft length: 5,9,15 or 20 mm - Silicon cable - Flat cable - Telephone cable
2RMHF Mini hollow shaft Rotary encoder **Mini - Ø 24**	4 up to 7500	Ø 24 mm	200kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP64	Ø 3 Ø 4 Ø 5 Ø 6 Ø 1/4"	- Silicon cable - Flat cable - Telephone cable
SCA30 Shaft Rotary encoder **Mini - Ø 30**	4 up to 7500	Ø 30 mm	200kHZ or max. 9000 Rpm	Radial: 15N Axial: 10N	4,5V up to 30V	IP50 or IP65	Ø 4 Ø 6	- Silicon cable
SCA38 Shaft Rotary encoder **Mini - Ø 38**	4 up to 7500	Ø 38 mm	200kHZ or max. 9000 Rpm	Radial: 20N Axial: 10N	4,5V up to 30V	IP50 or IP65	Ø 4 Ø 6	- Silicon cable
SCA50 Shaft Rotary encoder **Standard**	1 up to 12500	Ø 50 mm	300kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP65 or IP67	Ø 6 Ø 8 Ø 10 Ø 1/4" Ø 3/8"	- Silicon cable
SCA58 Shaft Rotary encoder **Standard**	1 up to 12500	Ø 58 mm	300kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP65 or IP67	Ø 6 Ø 8 Ø 10 Ø 1/4"	- Silicon cable
SCH50i Hollow shaft, continuous Front assembly **Standard**	1 up to 9000	Ø 55 mm	300kHZ or max. 3000 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP65	Ø 10 Ø 12 Ø 14	- Silicon cable
SCH50iB Hollow shaft Front / rear assembly **Standard**	1 up to 9000	Ø 50 mm	300kHZ or max. 6000 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP65	Ø 10 Ø 12 Ø 14 Ø 15 Ø 16	- Silicon cable
SCH50B Hollow shaft, continuous Front assembly **Standard**	1 up to 12500	Ø 50 mm	300kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP65	Ø 6 Ø 8	- Silicon cable
SCH50F Hollow shaft Front assembly **Standard**	1 up to 12500	Ø 50 mm	300kHZ or max. 12000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP65	Ø 6 Ø 8	- Silicon cable

Industrial encoders - incremental

Product type	Pulses	Diameter without spring	Max. frequency or Rpm	Shaft loading	Supply voltage	IP-protection type	Shaft diameter	Options
SCA50-SR Shaft Rotary encoder **Stainless steel and IP69K**	1 up to 12500	Ø 50 mm	300kHZ or max. 6000 Rpm	Radial: 20N Axial: 20N	4,5V up to 30V	IP67	Ø 6 Ø 8 Ø 10	- Silicon cable
SCA50IF-SR Hollow shaft Rotary encoder **Stainless steel and IP67**	1 up to 9000	Ø 50 mm	300kHZ or max. 3000 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP67-IP69	Ø 10 Ø 12 Ø 14 Ø 15	- Silicon cable
2RK Shaft Rotary encoder **For heavy duty**	1 up to 125000	Ø 58 mm	300kHZ or max. 6000 Rpm	Radial: 100N Axial: 50N	4,5V up to 30V	IP65 or IP67	Ø 10 Ø 3/8"	- Silicon cable
2RS8 Shaft Rotary encoder **For heavy duty**	1 up to 12500	Ø 58 mm	300kHZ or max. 6000 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP66	Ø 6 Ø 8 Ø 10	- Silicon cable
SCH94FO Hollow shaft Rotary encoder **For heavy duty**	1 up to 10000	Ø 94 mm	100kHZ or max. 3000 Rpm	Radial: 200N Axial: 400N	4,75V up to 30V	IP65 or IP66	Ø 16 max.	- Digital Output - Fiber Optic
2RMHD Shaft Rotary encoder **For heavy duty**	4 up to 7500	60 mm x 60 mm x 71 mm	200kHZ or max. 3000 Rpm	Radial: 250N Axial: 250N	4,5V up to 30,0V	IP65	Ø 15	- Silicon cable - Cable output only at the back
SCH98M Rotary encoder **Magnetic - Ø 98**	256 up to 2500	Ø 98	200kHZ or max. 300 Rpm	Radial: 400N Axial: 200N	5V 9-30V	IP65, IP67	Ø 16-17 mm	- Chromital TCP - AL - Magnetic -50°- +70° - Optical - Fiber optic
SCA24EX Solid shaft **Mini - Ø 24**	25 up to 3600	Ø 24 mm	200kHZ or max. 3000 Rpm	Radial: 10N Axial: 10N	5V up to 24V	IP67	Ø 4 Ø 6	- Halogen free cable and MUD resistant
2REX-H Hollow shaft Rotary encoder **Heavy Duty**	1 up to 9000	Ø 68 mm	300kHZ - IP66 = max. 3000 Rpm - IP67 = max. 1500 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP66 or IP67	Ø 10 Ø 12 Ø 14 Ø 15	- Halogen free cable and MUD resistant - Cable jack for hydraulic tube - Stainless steel
2REX-A Shaft Rotary encoder **Heavy Duty**	1 up to 9000	Ø 68 mm	300kHZ - IP66 = max. 3000 Rpm - IP67 = max. 1500 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP66 or IP67	Ø 10 Ø 5/8 inch	- Halogen free cable and MUD resistant - Cable jack for hydraulic tube - Stainless steel
2REXI Shaft Rotary encoder **Heavy Duty**	1 up to 9000	Ø 68 mm	300kHZ or max. 3000 Rpm	Radial: 50N Axial: 50N	4,5V up to 30V	IP65	Ø 14 Ø 16 Ø 8 G7	- Halogen free cable and MUD resistant - Magnetic rotary detector - Cable output only sideways
SCH86BEX Through hollow bore **Heavy Duty**	1 up to 4096	Ø 86 mm	300kHZ or max. 6000 Rpm	Radial: 100N Axial: 50N	4,5V up to 30V	IP 65 (IP 66 & 67 optional)	Ø 16 mm Ø 20 mm Ø 25 mm Ø 5/8 inch Ø 1 inch	Stainless Steel (AISI 316) - Pulses pr. cable revolution max. 10000
SUBSEA 6000 meters **600 BAR**	32 up to 2048	Ø 68 mm	200kHZ 2000 rpm	Radial: 100N Axial: 100N	5V or 10-30V	IP68	ø 10 to ø 1 inch	- Titanium - AISI 316 - 600 Bar

Industrial encoders - absolute

Product type	Diameter	Shaft	Interface	Version	Resolution	IP-protection type	Mounting	Options
SCA24 AV/AC Nano shaft Encoder Magnetic **Mini - Ø 24**	24	Shaft Ø 3-6 mm	SSI, analog	Singleturn	10 Bits	IP64	Servo	Brass
SCH24-SSI Micro Hollow shaft Encoder Magnetic **Mini - Ø 24**	24	Hollow shaft Ø 3-6 mm	SSI, Analog	Singleturn, Multiturn	13 Bit 12-24 Bits	IP64	3-point-Spring	Brass
SCA36-NA-SSI Micro shaft Encoder Magnetic **Mini - Ø 36**	36	Shaft Ø 4-8 mm	SSI, CANopen	Singleturn, Multiturn	13 Bits 12-24 Bits	IP54, IP64	Servo	Aluminium
SCU-SAG-Magnetic Shaft / Hollow shaft Encoder **Standard - Ø 36**	36 -58	Shaft Ø 6-10 mm	SSI, CANopen, Profibus, DeviceNet, Ethernet, Profinet IO, Profisafe	Singleturn, Multiturn	14 Bits 30 Bits	IP54, IP64	Clip	Aluminium
SCH50 AV/AC Hollow Shaft Magnetic **Standard - Ø 50**	50	Hollow shaft	Analog	Singleturn	10 Bits	IP54-IP64	Spring	Aluminium
2RKNA-SSI Shaft Encoder Magnetic **Standard - Ø 58**	58	Shaft Ø 6-10 mm	SSI	Singleturn, Multiturn	13 Bits 12/24 Bits	IP54, IP64, IP67	Spring	Aluminium
2REX-A-SSI Shaft Encoder Magnetic **Standard - Ø 58**	58	Shaft Ø 10 mm	SSI	Singleturn, Multiturn	13 Bits 12/24 Bits	IP64 - IP67	Synchron Flange	Aluminium Stainless Steel (AISI316)
SCH88BEX Hollow shaft Encoder **EX - Ø 68**	89-108	Hollow shaft up to 1 1/4 Inch	Profibus	Singleturn, Multiturn	15/16 Bits	IP65, IP66, IP67, IP68* *1 meter / 1 hour		Aluminium, Stainless Steel (AISI316)
EXAG Shaft Encoder **Heavy Duty**	78	Shaft Ø 10 mm Ø 12 mm	SSI, CANopen, Profibus, DeviceNet, Profibus Dual / inkr. Ethernet Profinet	Singleturn, Multiturn	12/14 Bit, 12/16 Bit	IP64 - IP68	Servo, Clamping Flange, Square	Aluminium, Stainless Steel (AISI316, AISI303)
EXAG Hollow shaft Encoder **Heavy Duty**	78	Hollow shaft Ø 12, 14, 16 mm	SSI, CANopen, Profibus, DeviceNet, Ethernet Profinet	Singleturn, Multiturn	12/14 Bit, 12/16 Bit	IP64 - IP68	Servo, Clamping Flange, Square	Aluminium, Stainless Steel (AISI316, AISI303)
EXAG Hollow shaft Encoder **SIL2**	78	Shaft	PROFIsafe over Profinet SIL2	Singleturn, Multiturn	12/14 Bit, 12/16 Bit	IP64 - IP68	Servo, Clamping Flange, Square	Aluminium, Stainless Steel (AISI316, AISI303)

SCANDON SCANDON