

ROTAPULS-COD-MAG

Rotary Encoders

Product range

lika

A comprehensive range of products, designed and manufactured from one hand.



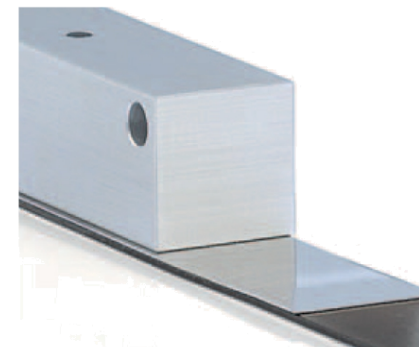
ROTAPULS
Incremental rotary encoders



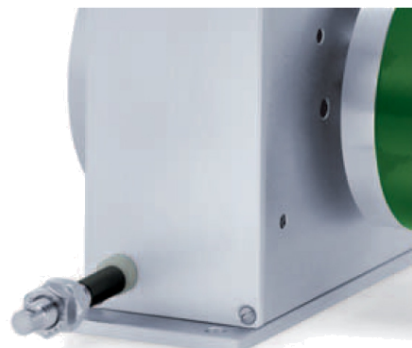
ROTACOD
Absolute rotary & Fieldbus encoders



ROTAMAG
Rotary Magnetic encoder &
Encoder modules



LINEPULS – LINECOD
Linear Absolute & Incremental encoders



DRAW-WIRE
Draw-wire encoders & potentiometers



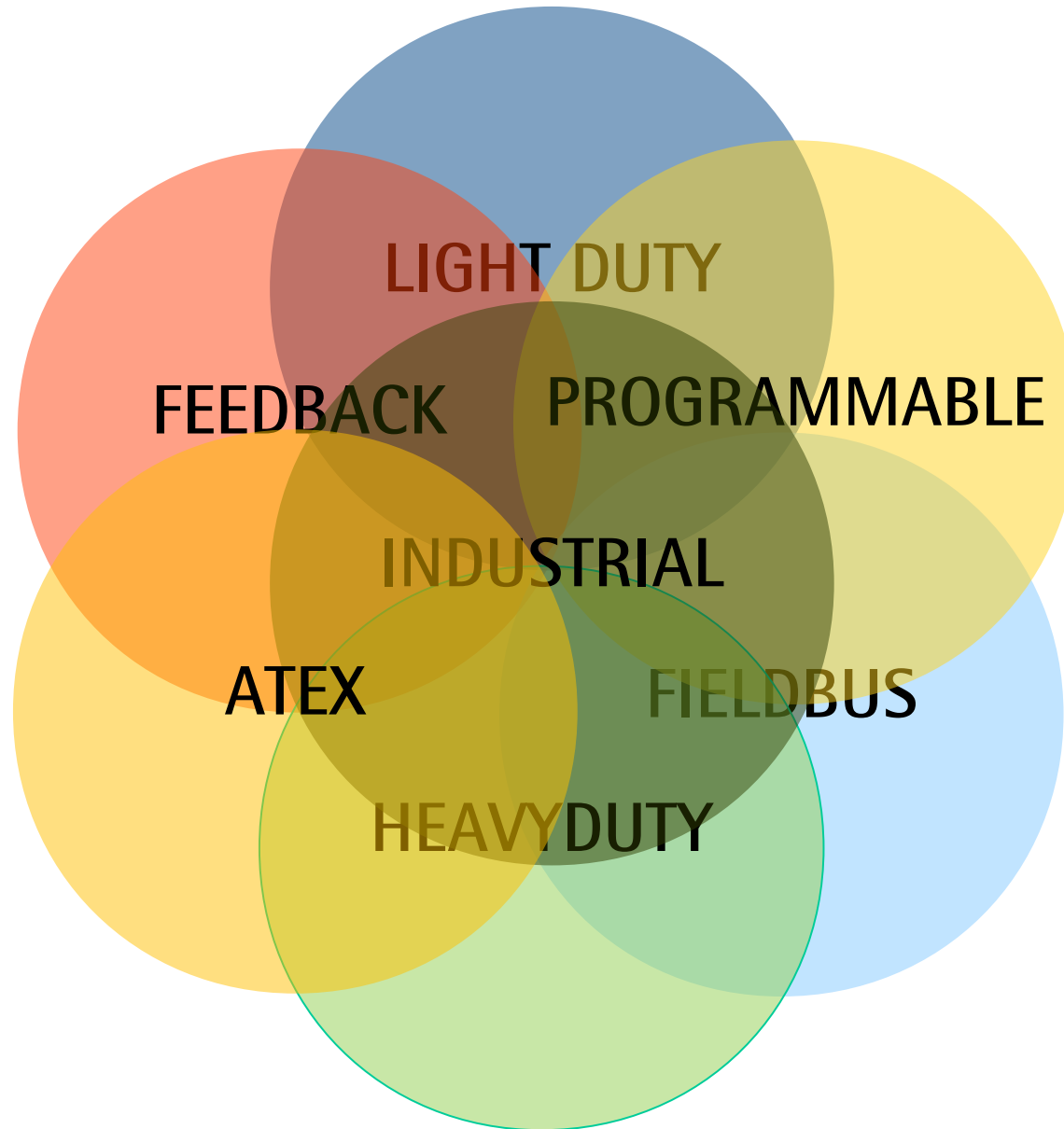
POSICONTROL
Displays & Signal converters
Encoder Interfaces



DRIVECOD
Rotary Actuators & Positioning units



COUPLINGS
Flexible & Transmission couplings



Light-duty encoders

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Incremental	I28	MI36, MC36	I40, I41
Shaft Ø mm max.	●5	●6 ○6	●8
Output	Universal, NPN, PP, LD	NPN, PP, LD	Universal, NPN, PNP, PP, LD
Resolution max	2048 PPR	2048 PPR	4096 PPR



Light-duty encoders

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Absolute	MS40, MSC40	MS40, MSC40	MS40, MSC40	MS41, MSC41
Shaft Ø mm	●6 ○6	●6 ○6	●6 ○6	●6 ○6
Output	SSI	Parallel NPN, PNP	0-5/10V 4-20mA	0-5/10V 4-20mA
Resolution max	12 bit	8 bit	8 bit	10 bit

Light-duty encoders

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Absolute	AS36, ASC36, AM36, AMC36	MS36, MSC36, MM36, MMC36
Shaft Ø mm max.	●6 ○6	●6 ○6
Output	SSI, BiSS C	SSI
Resolution max	19 bit (S) 19 x 12 bit (M)	13 bit (S) 13 x 16 bit (M)



Feedback encoders

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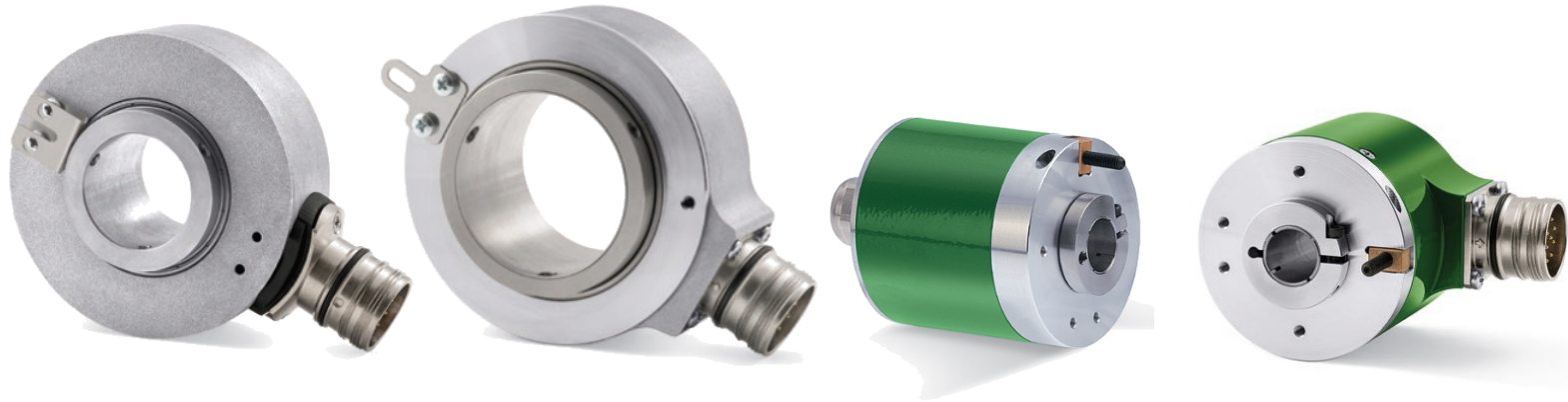


Incremental	CK41	C50	CB50	CB59, CB60
Shaft Ø mm max.	○6	○10	○10	●1:10 ○15
Output	Universal, NPN,PNP, PP, LD	Universal, PP, LD	PP, LD + UVW	1Vpp
Resolution max	4096 PPR	8192 PPR	2500 PPR 8poles	2048 PPR + CD track



Feedback encoders

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	C80	C82	HSC58, HMC58	HSCT, HMCT
Shaft Ø mm max.	○30	○44	○15	○15
Output	Universal, PP, LD	Universal, PP, LD	SSI + incr BiSS B/C + sincos	SSI + incr BiSS B/C + sincos
Resolution max	4096 PPR	8192 PPR	18 bit 16 x 14 bit	18 bit 16 x 12 bit

Industrial standard encoders

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Incremental	I58, I58S	MI58, MI58S	C58, CK58	MC58	I65, IT65
Shaft Ø mm max.	●12	●12	○15	○15	●12
Output	Universal, NPN, PNP, PP, LD, 1Vpp	Universal, PP, LD	Universal, PP, LD	Universal, PP, LD	Universal, NPN, PNP, PP, LD
Resolution max	10000ppr	10000ppr	5000ppr	10000ppr	10000ppr

Industrial standard encoders

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Absolute	ES58, EM58	HS58, HM58	MM58, MMC58	AST6, AMT6
Shaft Ø mm max.	●12, ○15	●12, ○15	●12, ○15	●12
Output	Parallel SSI + incr	SSI + incr/1Vpp BiSS B/C + 1Vpp	SSI	Parallel SSI
Resolution max	13 bit 13 x 14 bit	18 bit 16 x 14 bit	12 x 13 bit	18 bit 16 x 14 bit



Fieldbus encoders

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Absolute	AS58, AM58 PB & CB	HS58, HM58 FB	EM58 MB	AS58, AM58 EasyCANopen
Shaft Ø mm max.	●12, ○15	●12, ○15	●12, ○15	●12, ○15
Output	Profibus CANopen	Profibus CANopen, CANlift DeviceNet	Modbus RTU (RS485)	CANopen CANlift
Resolution max	13 bit 13 x 12 bit	18 bit 16 x 14 bit	12 x 14 bit	18 bit 16 x 14 bit



Fieldbus Ethernet encoders

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Absolute	EM58, HS58, HM58 EC	EM58, HS58, HM58 PT	EM58, HS58, HM58 MB TCP/IP	EM58, HS58, HM58 PowerLink
Shaft Ø mm max.	●12, ○15	●12, ○15	●12, ○15	●12, ○15
Output	EtherCAT	Profinet	Modbus TCP/IP	PowerLink
Resolution max	18 bit 16 x 14 bit	18 bit 16 x 14 bit	18 bit 16 x 14 bit	18 bit 16 x 14 bit

EtherCAT®

PROFI
INDUSTRIAL ETHERNET
NET

Modbus

ETHERNET
POWERLINK

Stainless steel encoders

lika



	MI36K, MC36K	I58SK	AM58K
Shaft Ø mm max.	●6 ○6	●12	●12
Output	NPN, PP, LD	Universal, NPN, PNP, PP, LD, 1Vpp	Profibus CANopen
Resolution max	2048ppr	10000ppr	13 x 12 bit

ATEX certified encoders

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	I58-CK58 ATEX 2/22	XC77	XAC77	XAC77 PB & CB	XAC77 PA
Shaft Ø mm max.	●12, ○15	○14	○14	○14	○14
Output	Universal, NPN, PP, LD	Universal, NPN, PP, LD	Parallel SSI	Profibus CANopen	Prog 0-5/10V 0/4-20mA
Resolution max	10000ppr	10000ppr	13 bit 13 x 14 bit	18 bit 16 x 14 bit	12 bit 12 x 14 bit

Analog output encoders

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Absolute	AS58 A, AM58 A	EM58 PA	EM58 TA	XAC77 PA
Shaft Ø mm max.	●12, ○15	●12, ○15	●12, ○15	○14
Output	0-5/10V 0/4-20mA	Programmable 0-5/10V 0/4-20mA	0-5/10V 0/4-20mA	Programmable 0-5/10V 0/4-20mA
Resolution max	12 bit 4 x 12 bit	12 x 14 bit	12 x 14 bit	12 bit 12 x 14 bit

Programmable encoders

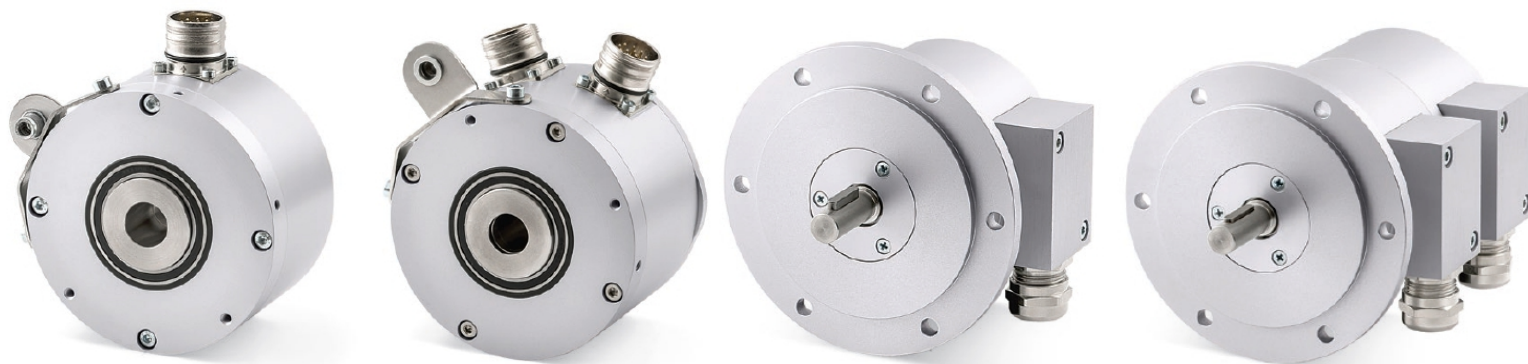
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	HM58 P	EM58 PA	AMR58	IP58, CKP58	IQ58, CKQ58	IQ36, CQ36
Shaft Ø mm max.	●12, ○15	●12, ○15	●12, ○15	●12, ○15	●12, ○15	●6, ○6
Output	SSI Bit Parallel	0-5/10V 0/4-20mA	Cam switch	Universal PP/LD	Universal	Universal
Resolution max	18 x 14 bit	12 x 14 bit	3600 cpr 0,1°	65536 PPR	16384 PPR	16384 PPR

Heavy-duty encoders

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Incremental	C100	C101	I115	I116
Shaft Ø mm max.	○17 tapered	○17 tapered	●11	●11
Output	Universal, LD, Power LD, Power PP	Universal, LD, Power LD, Power PP	Universal, NPN, PP, LD Power PP	Universal, NPN, PP, LD Power PP
Resolution max	2500 PPR	2 x 2500 PPR	5000 PPR	2 x 5000 PPR

Heavy-duty encoders

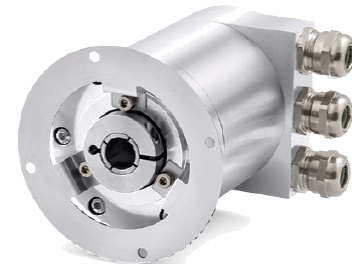
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	ICS	I70	SGSM, SGSD
Shaft Ø mm max.	●12	-	○50
Output	Universal, NPN, PNP, PP, LD	PP	PP, LD
Resolution max	2500 PPR	500 PPR	2 x 1024 PPR

Heavy-duty encoders

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	MH58S	XAC77	XAC77 FB
Shaft Ø mm max.	●10	○14	○14
Output	SSI, 0-5/10V 0/4-20mA	Parallel, SSI, ProfiBus CANopen, Programmable 0-5/10V & 0/4-20mA	ProfiBus CANopen
Resolution max	12 bit 12 x 12 bit	18 bit 16 x 14 bit	13 x 12 bit



	IM30/1, IM56	ASM36
Shaft Ø mm max.	Ø8	Ø6
Output	TTL, LD	RS485, SSI, BiSS
Resolution max	2048 PPR	21 bit

Bearingless Encoders

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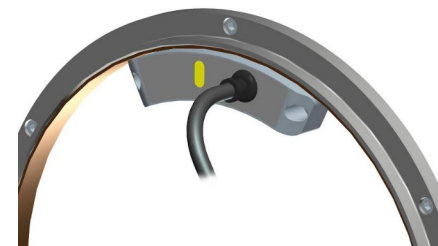
	MIK36	MSK36	MMK36
Shaft Ø mm max.	○10	○10	○10
Output	NPN, PP, LD	SSI	SSI
Resolution max	2048 PPR	13 bit	12 x 16 bit



NEW



NEW



2015

	SMRI5+MRI/xx	SMRI2+MRI/xx	SMR5H
Shaft Ø mm max.	○250	○250	○250
Output	PP, LD	PP, LD	PP, LD
Resolution max	up to18000 PPR (higher res. available)	up to18000 PPR (higher res. available)	TBC



	SMG	SGSM, SGSD	SGHM
Shaft Ø mm max.	N.A.	○50	○50
Output	PP, LD, 1Vpp	PP, LD	PP, LD
Resolution max	Up to 100 x tooth wheel	2 x 1024 PPR	16384 PPR



NEW



2015

	SMRA+MRA/xx	SMLA+MTLA/xx
Shaft Ø mm max.	Ø110	∞
Output	SSI, BiSS-C	SSI, BiSS-C
Resolution max	14 bit	14 bit

Contact



Smart encoders & actuators

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