









ROTAPULS Incremental encoders

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Series	I28	I40 • I41	I58S • I58 • I58 V	IT65 • I65
Features			standard size, sin/cos	standard size
Housing ø (mm)	28	40	58	65
Shaft ø (mm)	4, 5	4, 6, 6.35, 8	6, 8, 9.52, 10, 12	6, 8, 9.52, 10, 12
Connections	 •	 •	 •	 •
	 •	 •	 •	 •
Resolution (PPR)	1024 max.	3600 max.	10000 max.	10000 max.
Output frequency (kHz)	100 max.	100 max.	300 max.	300 max.
Output circuits	Push-Pull, Line Driver, Universal circuit	NPN, Push-Pull, Line Driver, Universal circuit	NPN, Push-Pull, Line Driver, Universal circuit, 1Vpp	NPN, Push-Pull, Line Driver, Universal circuit
Operating temperature	-20°C +70°C (-4°F +158°F)	-20°C +70°C (-4°F +158°F)	-40°C +100°C max. (-40°F +212°F max.)	-40°C +100°C max. (-40°F +212°F max.)
Protection	IP54	IP54	IP65 max.	IP66 max.

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Series	XC77	I105	ICS	CK46
Features	ATEX II 2 G/D EEx d IIC T6	high resolution	spring loaded shaft	
Housing ø (mm)	77	105	172 x 80 x 53	46
Shaft ø (mm)	14	10	12	6, 6.35
Connections	 •	 •	 •	 •
	 •	 •	 •	 •
Resolution (PPR)	10000 max.	16384, 18000	1068 max.	3600 max.
Output frequency (kHz)	300 max.	300 max.	60	100
Output circuits	NPN, Push-Pull, Line Driver, Universal circuit	Push-Pull, Line Driver, Universal circuit	NPN, Push-Pull, Line Driver, Universal circuit	NPN, Push-Pull, Line Driver, Universal circuit
Operating temperature	-20°C +40°C (-4°F +104°F)	-20°C +70°C (-4°F +158°F)	-20°C +70°C (-4°F +158°F)	-40°C +100°C max. (-40°F +212°F max.)
Protection	IP66	IP65 max.	IP65 max.	IP65 max.

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Series	C50	CB50	CB59	C60 • C59 • C58
Features	for motor applications	for servo motors	for servo motors	
Housing \varnothing (mm)	50	50	58	58
Shaft \varnothing (mm)	6, 6.35, 8, 9.52, 10	6, 6.35, 8, 9.52, 10	12.7, 15	14, 15
Connections	•	•	•	•
Resolution (PPR)	2500 max.	2500/8 poles max.	2048 / 1 sin/cos	5000 max.
Output frequency (kHz)	100	200	200	60
Output circuits	NPN, Push-Pull, Line Driver, Universal circuit	Push-Pull, Line Driver, U, V, W signals	1 Vpp + Z track	Push-Pull, Line Driver, Universal circuit
Operating temperature	-40°C +100°C max. (-40°F +212°F max.)	-20°C +100°C (-4°F +212°F)	-20°C +100°C (-4°F +212°F)	-40°C +100°C max. (-40°F +212°F max.)
Protection	IP65 max.	IP20	IP40	IP65 max.

ROTAPULS Incremental encoders

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Series	C58A • C58R	CK60 • CK59 • CK58	CK61	C80 • C81
Features		standard size heavy duty	motor feedback	for lift motors
Housing \varnothing (mm)	58	58	58	80
Shaft \varnothing (mm)	14, 15	14, 15	10, 12	16 ÷ 44
Connections	•	•	•	•
Resolution (PPR)	5000 max.	10000 max.	5000 max.	5000 max.
Output frequency (kHz)	300 max.	300 max.	300 max.	200 max.
Output circuits	Push-Pull, Line Driver, Universal circuit	NPN, Push-Pull, Line Driver, Universal circuit, 1Vpp	Push-Pull, Line Driver, Universal circuit	Push-Pull, Line Driver, Universal circuit, 1Vpp
Operating temperature	-40°C +100°C max. (-40°F +212°F max.)	-40°C +100°C max. (-40°F +212°F max.)	-40°C +100°C max. (-40°F +212°F max.)	-40°C +100°C max. (-40°F +212°F max.)
Protection	IP65 max.	IP65 max.	IP65 max.	IP65 max.