ROTAPULS • ROTACOD

Incremental encoders • Absolute encoders

Encoders for hoists and large motors

- Through hollow shaft diameter up to Ø50 mm
- Precise optical sensing
- Robust metal housing with flat design

	C80	C81	C82	ASC85 new
Description	Size 80, low profile. Through hollow shaft up to Ø30 mm.	Size 80, low profile. Internal structure in steel. Through hollow shaft up to Ø44 mm.	Size 80, low profile. Through hollow shaft up to Ø44 mm. Cable or connector output.	Size 85, absolute. 25 bit singleturn. Through hollow shaft Ø50 mm.
Sensing method	optical	optical	optical	optical
Housing diameter	80 mm	80 mm	80 mm	87 mm
Resolution max.	4096 PPR	4096 PPR	8192 PPR	25 Bit
Output circuit	Push-Pull Line Driver Universal circuit	Push-Pull Line Driver Universal circuit	Push-Pull Line Driver Universal circuit	BiSS-C SSI
Power supply	+5Vdc ±5% +10÷30Vdc +5÷30Vdc	+5Vdc ±5% +10÷30Vdc +5÷30Vdc	+5Vdc ±5% +10÷30Vdc +5÷30Vdc	+5Vdc ±5% +10÷30Vdc
Shaft diameter max.	hollow shaft Ø30 mm	hollow shaft Ø44 mm	hollow shaft Ø44 mm	hollow shaft Ø50 mm
Electrical connections	cable M23 connector	cable	cable M23 connector	cable
Operating temperature	-40°C +100°C (-40°F +212°F)	-40°C +100°C (-40°F +212°F)	-40°C +100°C (-40°F +212°F)	-40°C +100°C (-40°F +212°F)
Shaft rotational speed max.	6000 rpm	3000 rpm	3000 rpm	3500 rpm
Protection max.	IP65	IP65	IP65	IP65
Application	Hoists	Gearmotors	Hoists	Motors Radars systems