ROTACOD
Absolute encoders

Absolute encoders with Ethernet & fieldbus interfaces

- Standard version with 13 bit per turn resolution
- High accuracy singleturn with 18 bit resolution
- High performance multiturn with 16 bit per turn

	AS58/AM58 PB • AS58/AM58 CB	HS58 FB • HM58 FB	AS58 CB • AM58 CB	EM58 • HS58 • HM58
Description	Absolute single & multiturn. Profibus and CANopen interface. Solid/blind hollow shaft.	High performance single/multiturn. Flexible bus interface. Solid/blind hollow shaft.	Absolute single & multiturn. Point-to-point CANopen connection. Solid/blind hollow shaft.	High performance single/multiturn, Ethernet interface. Solid/blind hollow shaft.
Sensing method	magnetic	optical	optical	optical, magnetic
Housing diameter	58 mm	58 mm	58 mm	58 mm
Resolution max.	13 Bit 13 x 12 Bit	18 Bit 16 x 14 Bit	18 Bit 16 x 14 Bit	18 Bit 16 x 14 Bit
Output circuit	CANopen Profibus-DP	CANopen, CANopen LIFT, Profibus-DP, DeviceNet	CANopen	EtherCAT, Profinet, POWERLINK, Ethernet/IP
Power supply	+10÷30Vdc	+10÷30Vdc	+10÷30Vdc	+10÷30Vdc
Shaft diameter max.	solid shaft Ø 12 mm hollow shaft Ø 15 mm	solid shaft Ø 12 mm hollow shaft Ø 15 mm	solid shaft Ø 12 mm hollow shaft Ø 15 mm	solid shaft Ø12 mm hollow shaft Ø15 mm
Electrical connections	connection cap with PGs or M12 connectors	connection cap with PGs or M12 connectors	cable or M12 connector	connection cap with M12 connectors
Operating temperature	-25°C +85°C (-13°F +185°F)	-25°C +85°C (-13°F +185°F)	-25°C +85°C (-13°F +185°F)	-25°C +85°C (-13°F +185°F)
Shaft rotational speed max.	6000 rpm	6000 rpm	6000 rpm	6000 rpm
Protection max.	IP65	IP65	IP67	IP65
Application		High performance fieldbus		