

ROTAPULS • ROTACOD

Incremental encoders • Absolute encoders

Encoders with ATEX certification

- Size Ø58 mm with solid and hollow shaft
- Ø58 and Ø77 mm suitable for use in zones 1, 2, 21, 22
- Absolute encoders with SSI and programmable analogue output
- Integrated fieldbus interface



IX58 • CX58



XC77



XAC77



XAC77 PB • XAC77 CB

Description

ATEX for zones 2, 22.
Incremental, size 58.
Solid/blind hollow shaft.

ATEX for zones 1, 2,
21, 22.
Incremental version.
Heavy-duty structure.

ATEX for zones 1, 2,
21, 22.
Absolute version.
Heavy-duty structure.

ATEX for zones 1, 2,
21, 22.
Fieldbus version.
Heavy-duty structure.

Sensing method

optical

optical

optical

optical

Housing diameter

58 mm

77 mm

77 mm

77 mm

Resolution max.

10000 PPR

10000 PPR

13 Bit
13 x 14 Bit

16 x 14 Bit

Output circuit

NPN, PNP, Push-Pull,
1 Vpp, Line Driver,
Universal circuit

NPN, Push-Pull,
Line Driver,
Universal circuit

SSI
Bit parallel
Analogue V/I
Programmable cams

Profibus
CANopen
DeviceNet

Power supply

+5Vdc ±5%
+10÷30Vdc
+5÷30Vdc

+5Vdc ±5%
+10÷30Vdc
+5÷30Vdc

+10÷30Vdc

+10÷30Vdc

Shaft diameter max.

solid shaft Ø12 mm
hollow shaft Ø15 mm

hollow shaft Ø14 mm

hollow shaft Ø14 mm

hollow shaft Ø14 mm

Electrical connections

cable

cable

cable

cable

Operating temperature

-25°C +85°C
(-13°F +185°F)

-20°C +40°C
(-4°F + 104°F)

-20°C +40°C
(-4°F + 104°F)

-20°C +40°C
(-4°F + 104°F)

Shaft rotational speed

12000 rpm max.

6000 rpm max.

6000 rpm max.

6000 rpm max.

Protection

IP65 max.

IP65 max.

IP65 max.

IP65 max.

Application

ATEX

ATEX

ATEX

ATEX