

# XCC3510PV84FBN

absolute encoder Ø 58 multi turn - solid shaft  
10 mm - 25-bit binary - PROFIBUS

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Commercial Status	Commercialised
Range of product	OsiSense XCC
Encoder type	Multiturn absolute encoder fieldbus
Encoder name	XCC
Product specific application	-
Diameter	2.28 in (58 mm)
Bus type	Profibus DP 3.062 V1.1. IEC 61158, EN 50170 class 2, IEC 61784, EN 50254
Shaft diameter	0.39 in (10 mm)
Shaft type	Solid shaft
Resolution	4096 turns/8192 points
Electrical connection	3 cable glands Pg 9 radial external supply
Type of output stage	PROFIBUS-DP 25-bit
[Us] rated supply voltage	24 V DC
Transmission rate	9.6 kbit/s...12000 kbit/s
Enclosure material	Aluminium

## Complementary

Shaft tolerance	H8
Supply voltage limits	10...30 V DC
Maximum revolution speed	6000 rpm
Shaft moment of inertia	0.01 lb.in <sup>2</sup> (30 g.cm <sup>2</sup> )
Torque value	0.03 lbf.in (0.003 N.m)
Maximum load	11 daN radial
Output frequency	800 kHz
Current consumption	0...100 mA no-load
Protection type	Reverse polarity protection Voltage peaks protection
Status LED	1 LED red error 1 LED green status
Surge withstand	0.5 kV level 1 IEC 61000-4-5
Base material	Aluminium
Shaft material	Stainless steel
Type of ball bearings	6000ZZ1
Product weight	1.23 lb(US) (0.56 kg)

## Environment

Product certifications	DIN VDE 0160 PNO Schneider Electric interoperability standards
Marking	CE
Ambient air temperature for operation	-40...185 °F (-40...85 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
IP degree of protection	IP64 IEC 60529
Vibration resistance	10 gn (10...2000 Hz) IEC 60068-2-6
Shock resistance	100 gn (6 ms) IEC 60068-2-27

Resistance to electrostatic discharge	4 kV air discharge level 2 IEC 61000-4-2 2 kV contact discharge level 2 IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/yd (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	2 kV power ports level 3 IEC 61000-4-4 1 kV signal ports level 3 IEC 61000-4-4

### Ordering and shipping details

Category	21581 - ENCODERS, XCC
Discount Schedule	DS2
GTIN	003389119015684
Nbr. of units in pkg.	1
Package weight(Lbs)	0.73
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

### Offer Sustainability

Sustainable offer status	Not Green Premium product
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### Contractual warranty

Period	18 months
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