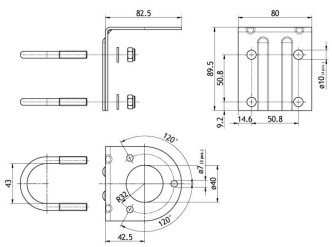
ATEX Certified GPS, Galileo, Glonass and BeiDou antenna for Mast Mounting in Hazardous areas

DESCRIPTION

- Passive quadrifilar helix antenna for fixed installation.
- Covering GPS, Galileo, Glonass and BeiDou.
- The antenna is specified as ATEX antenna for use in zone 2 in potentially explosive areas.
- The antenna is to be used as a receiver only.
- Before installing the antenna, read the ATEX Product Manual carefully.
- The antenna is suitable for use in gas groups IIA, IIB and IIC in zone 2.
- Right-hand circularly polarized antenna (RHCP).
- The circularly polarized antenna minimizes the fading effect often encountered in environments with reflecting obstacles.
- Mounting bracket available to make the perfect installation for your specific needs.
- All metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- Maximum recommended cable loss between antenna and receiver is 9 dB (e.g. 20 m RG 58 A/U-XLL) for receivers with acquisition sensitivity of < - 142 dBm. Higher cable loss can be tolerated for receivers with lower acquisition sensitivity.

DIAGRAM

MOUNTING DETAILS



ASSEMBLY DRAWING





SPECIFICATIONS

Electrical	
Model	GPS 4-Ex
Frequency	1570 - 1650 MHz
Antenna Type	Quadrifilar helix antenna
Max. Input Power	Receiver only
Polarisation	Circular
Pattern Type	Hemispherical
Impedance	50 Ω
Gain	2 dBic (0 dBd)
VSWR	< 2.0:1
Bandwidth	75 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	N(f)
Materials	Shroud: Polyrethane - Coated glass fiber Mounting bracket: Stainless steel
Installation Torque	SM-MAS Mounting brackets 6.5 - 7 Nm
Colour	Blue
Wind Area	0.0072 sq. m / 0.08 sq. ft
Wind Load	9.6 N (160km/h)
Diameter	25.5 mm / 1.00 in.
Height	250 mm / 9.84 in.
Weight	0.45 kg / 0.99 lb
ATEX Marking	II 3G Ex nA IIC T6

Environmental	
Operating Temperature Range	-30°C to +60°C
Survival Wind Speed	200 km/h
Ingress Protection	IP66

ORDERING

Model	Product No.
GPS 4-Ex	115000029
ATEX grounding kit	115000100
SM-MAS	110000196

PROCOM A/S reserves the right to
amend specifications without prior notice