



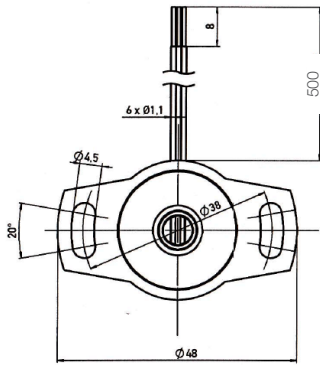
The new 28 mm diameter Euro-XP angle sensor is specifically aimed at arduous high-duty cycle position feedback applications in all areas of motorsports such as sequential gearbox, throttle and suspension

measurement. With programmable angle selection, and a choice of U-type or spring coupling drive shafts, this compact and contactless Hall Effect sensor features IP67 sealing.

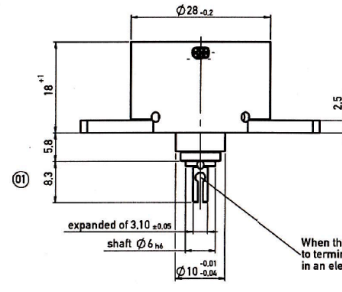
Specifications	
Mechanical	
Typical Life Cycle	>50 million movements (restriction by mechanics)
Torque	< 0.8 Ncm (two O-rings)
Measuring range	360° redundant, signal 1 cw, signal 2 ccw
Max. operating speed	120 U/min
Housing	High grade temperature resistant plastic or anodised aluminium
Bearing	Bronze sleeve
Shaft	Stainless Steel - Form U or spring coupling
Environmental	
Operating temperature	-40°C to +125°C (Short term 150°C)
Vibration	5...2000 Hz; Amax = 0.75 mm; amax = 20g to IEC 60068-2-6
IP rating	IP67 (DIN EN 60529)
Electrical	
Supply Voltage	5V +/- 0.5V
Output signal	Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start & end voltage)
Independant linearity	+/- 0.5% of each signal range
Isolation resistance	10 MΩ (500 VDC, 1 bar, 2s)
Repeatability	<= 0.2% (dependent on mounting tolerances)
Electrical connection	See ordering code/wiring diagram



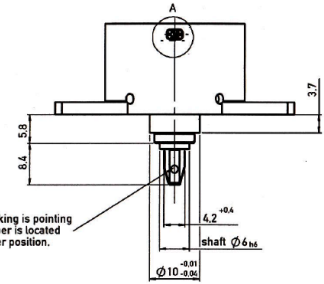
Aluminium housing (anodised)



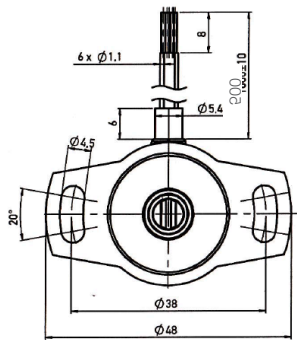
Form U - 2881



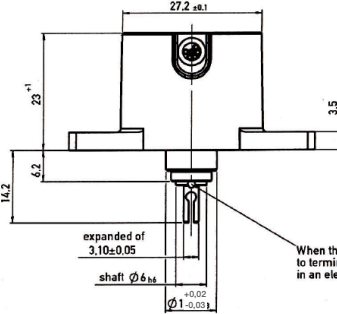
Steckkupplung mit Feder - 2891



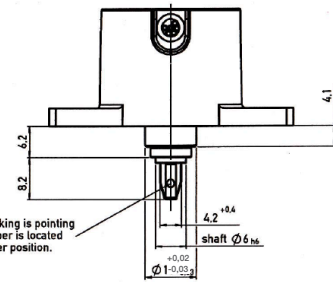
High grade plastic housing



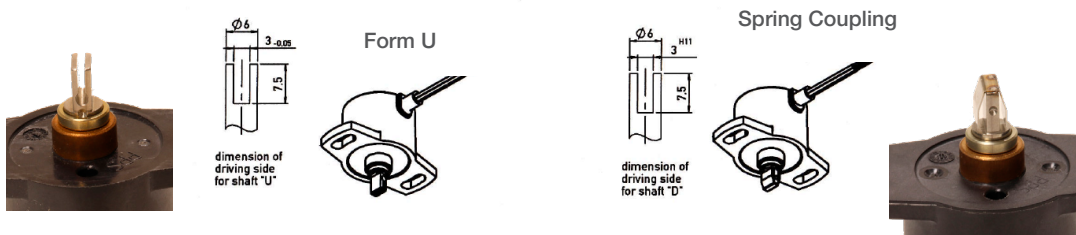
Form U - 2881



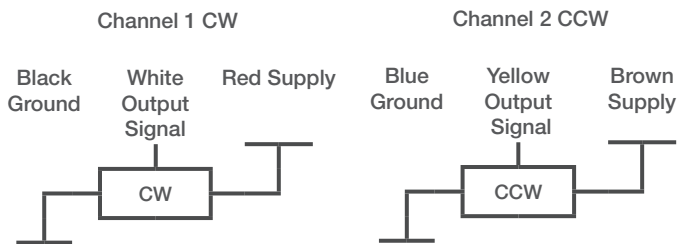
Spring coupling - 2871



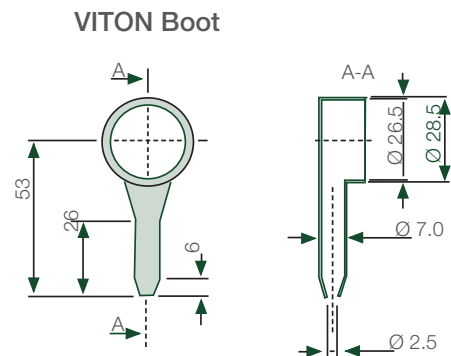
Form U and Spring Coupling shaft detail for both housing types



Wiring



Strain relieving VITON boot

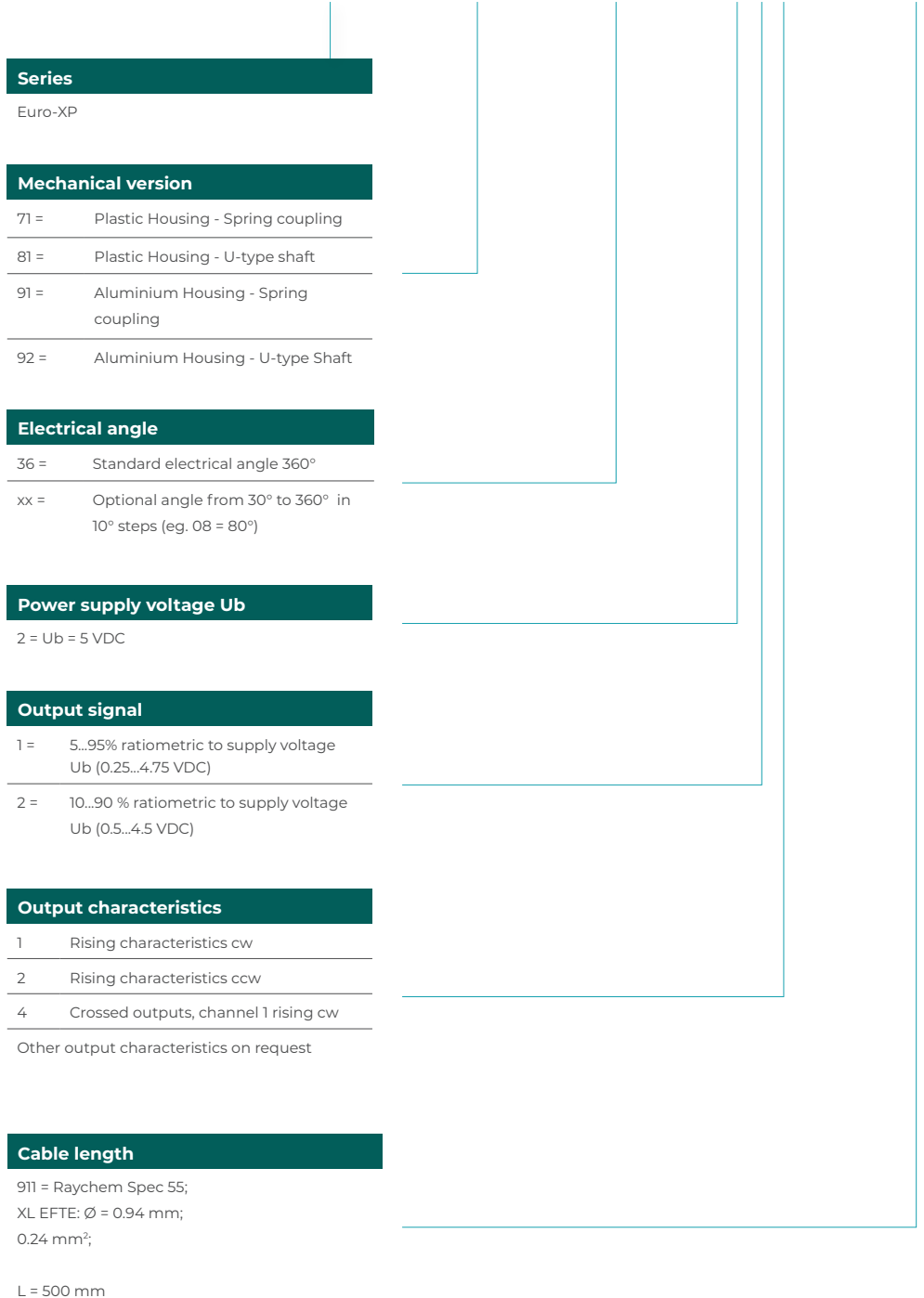




Ordering information

(Please use the characters in the chart below to construct your product code)

Sample code Euro-XP - 28xx - 8xx - 2 1 4 - 911



Standard-options: Euro-XP - 2871 - 836 - 214 - 911
Euro-XP - 2881 - 836 - 214 - 911
Euro-XP - 2891 - 836 - 214 - 911
Euro-XP - 2892 - 836 - 214 - 911
Custom options available in request