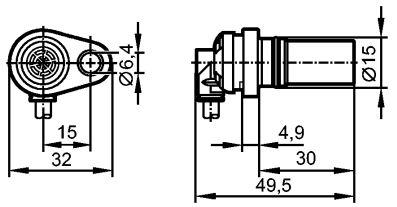
efector120

MX5015

MXD41.7 ANOG/H/1.2/ZH

Rotational speed sensors



CE

Product characteristics			
Rotational speed sensor			
Plastic housing			
Cable			
2-channel			
Sensing range 1.7 mm; *)			
Toothed wheel module [mm]: 1.25			
Electrical data			
Electrical design			DC NPN
Operating voltage	[V]		7...30
Nominal voltage	[V]		15
Current consumption	[mA]		< 30
Protection class			III
Reverse polarity protection			no
Outputs			
Current rating	[mA]		< 50
Switching frequency	[Hz]		1...15000
Range			
Sensing range	[mm]		1.7, *)
Operating distance	[mm]		1
Environment			
Ambient temperature	[°C]		-32...140
Protection			IP 67 / IP 69K
Tests / approvals			
EMC		EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-6 EN 61000-4-8:	4 kV CD / 8 kV AD 10 V/m 2 kV 10 V 30 A/m
Shock resistance		DIN EN 60068-2-27	30 g (11 ms half sine; 3 shocks in each direction along the three coordinate axes)
Salt spray test		EN 60068/2-11	96 h 5 % NaCl at 25 °C
Mechanical data			
Housing materials			socket: Brass; housing: PA; O-ring: FPM
Tightening torque	[Nm]	7	
Toothed wheel module	[mm]		1.25
			phase shift 90° +/- 20° *) mark-to-space ratio 50 % +/- 10 %

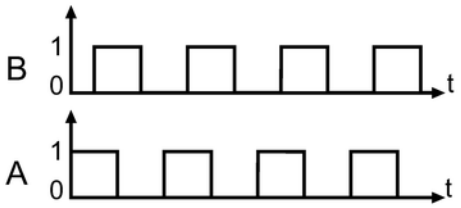
MX5015

MXD41.7 ANOG/H/1.2/ZH

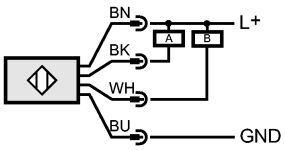
Rotational speed sensors

Weight	[kg]	0.051

Electrical connection

Connection	PUR cable / 1.2 m; 4 x 0.34 mm²
Switching signals	

Wiring



A: Pulse output
B: pulse output (the pulse sequence corresponds to the damping frequency)

Remarks

Pack quantity	[piece]	1