

Product characteristics

Socket

For sensors with

M12 connector

Free from silicone

Free from halogen

gold-plated contacts

For applications in particularly harsh environments

Electrical data

Electrical design

AC/DC

Operating voltage [V]

250 AC / 300 DC

Current rating [A]

4

Protection class

II

Environment

Ambient temperature [°C]

-40...90, cULus: max. 75 °C

Ambient temperature (moving) [°C]

-25...90, cULus: max. 75 °C

Protection

IP 65 / IP 67 / IP 68 / IP 69K

Tests / approvals

Vibration resistance

EN 60068-2-6 Fc

20 g (10...3000 Hz) / -20°C and 50°C

50 cycles per frequency, 1 octave per minute in each of 3 mutually perpendicular axes

Shock resistance

EN 60068-2-27 Ea

100 g (11 ms half sine; 3 shocks in each direction along the three coordinate axes) / -40°C and 85°C

Continuous shock resistance

EN 60068-2-29 Eb

40 g (6 ms; 4000 shocks in each direction along the three coordinate axes) / -20°C and 50°C

Fast temperature changes

EN 60068-2-14 Na

TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s; 50 cycles

Salt spray test

EN 60068-2-52 Kb

severity level 5 (4 test cycles)

Mechanical data

Design

angled

Material body

housing: TPU (urethane) orange; sealing: Viton

Material nut

stainless steel 316L / 1.4404

Tightening torque for knurled nut [Nm]

0.6...1.5

Drag chain suitability

Bending radius for flexible applications:

min. 10 x cable diameter  
max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s<sup>2</sup>

Travel speed:

5 m/s<sup>2</sup>

Bending cycles:

> 5 million

Torsional strain:

± 180 °/m

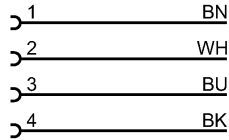
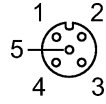
**EVM004 - Socket - eclass: 27279201 / 27-27-92-01**

Weight	[kg]	0.083
Electrical connection		
Connection		PUR cable / 2 m; 4 x 0.34 mm <sup>2</sup> (42 x Ø 0.1 mm); Ø 4.9 mm; halogen-free
Sheath color		black

**Wiring**

Core colors

- BK black
- BN brown
- BU blue
- WH white



Remarks		
Pack quantity	[piece]	1