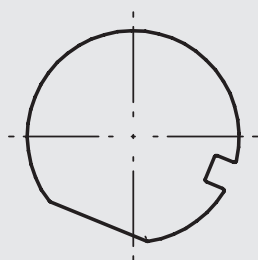



## LED - Lighting and connection technology

Receptacle **47.121.U303.80** for communication and sensor units with attached flat seal for standardised metal sheet cut-out



**Electromechanical interface for outdoor luminaires according to  Zhaga Book 18 to accommodate communication and sensor units**

Receptacle **47.121.U303.80** with assembled flat seal for standardised metal sheet cut-out  
4 pole

**Area of application:**

Street and area lighting (parking areas and footpaths)  
outdoor lighting  
wall lights

- IP-compliant connector and cap
- Compact design for flexible mounting position in luminaire housing
- Approved and certified according to VDE DIN EN 61984

**Modular system**

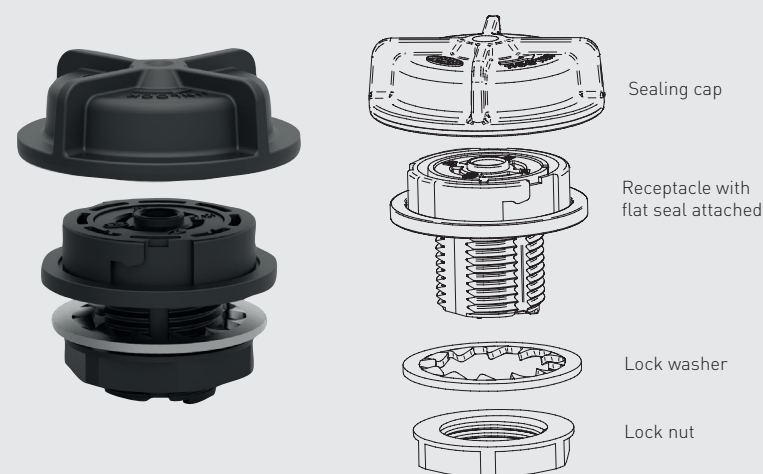
**Sealing cap: 47.121.-303.xx**  
Material: PBT

**Receptacle with attached flat seal: 47.121.U303.80**  
4 pole  
Material: Contacts: CuSn  
Housing: PBT / PC  
**Flat seal:** Material: MVQ (Silicone)

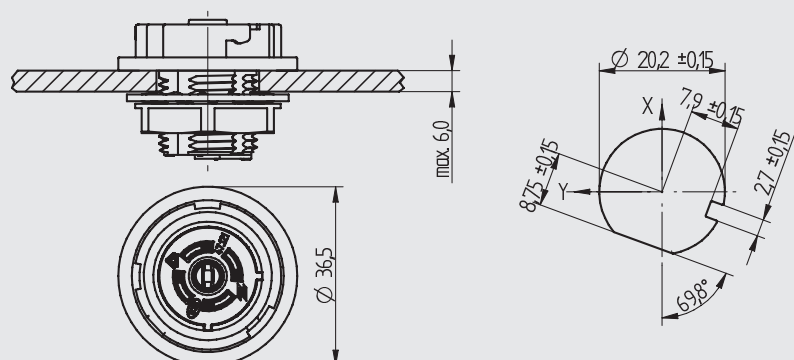
**Lock washer M20: 47.121.-702.14**  
Material: steel zinc plated

**Lock nut M20x1.5 mm: 47.121.-305.80**  
Material: PA

Temperature data	
Temperature range	-40 °C up to 100°C
Mechanical data	
Protection class	IP 66
Thread	M20 x 1.5 mm
Thread length	18.5 mm
IK-Impact strength grade	IK09
Height above luminaire	10 mm
Luminaire housing thickness	max. 6 mm
Tightening torque of the locknut	1.8 - 2.4 Nm
Electrical data	
Rated current	2 A
Rated voltage	24 V DC
Flexible tinned wire	0.5 - 1.5 mm <sup>2</sup>
Solid wire	0.5 - 1.5 mm <sup>2</sup>
Strip length	8 - 10.5 mm
Insulation diameter	max. 3 mm
Lead	16 - 20 AWG

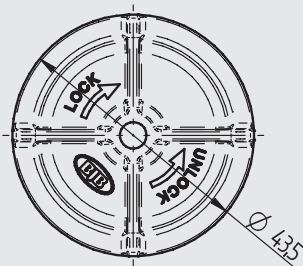
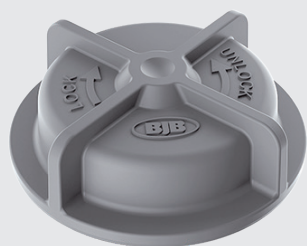


**Assembly dimensions and cut-out**



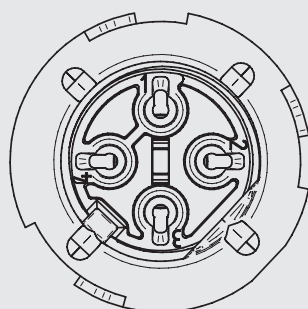
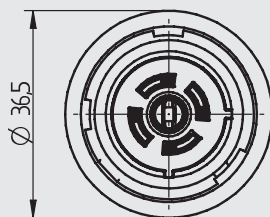
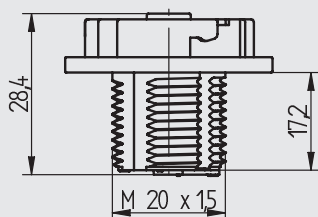
## LED - Lighting and connection technology

Receptacle **47.121.U303.80** for communication and sensor units with attached flat seal for standardised metal sheet cut-out



pkg.	wt.	part no.
200	7.8 g	<b>47.121.-303.80</b> black
200	7.8 g	<b>47.121.-303.90</b> dark gray
200	7.8 g	<b>47.121.-303.93</b> anthracite

**Sealing cap**  
Material: PBT



pkg.	wt.	part no.
200	9.6 g	<b>47.121.U303.80</b>

Receptacle with attached flat seal  
4 pole

Material: Contacts: CuSn  
Housing: PBT / PC

Contact rating: 2 A, 24 V

Hot pluggable

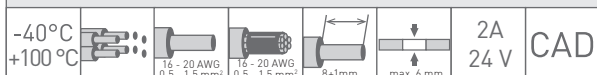
Wires: for rigid and flexible, tinned wire ends 0.5 - 1.5 mm<sup>2</sup>, 16 - 20 AWG

Strip length: 8 - 10.5 mm

Insulation diameter: max. 3 mm

**Flat seal:** Material: MVQ (Silicone)

Marking wire entry	Function
1	+24 V Power supply
2	Negative pole for [DALI] protocol Ground for +24 V power supply (contact 1) Ground for General Digital I/O (contact 4)
3	Positive pole for [DALI] protokol
4	General Digital I/O (> 7V)



## LED - Lighting and connection technology

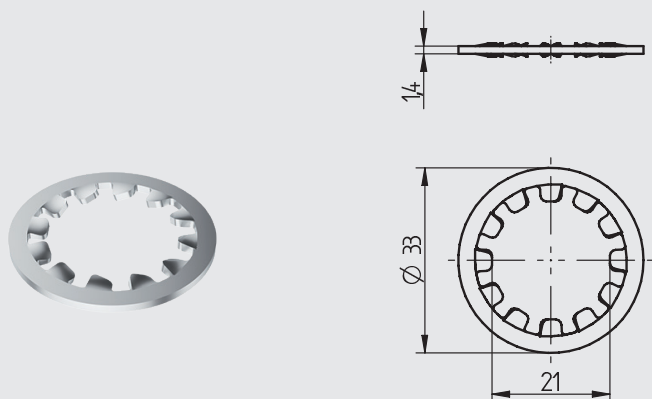
47.121

Receptacle **47.121.U303.80** for communication and sensor units  
with attached flat seal for standardised metal sheet cut-out



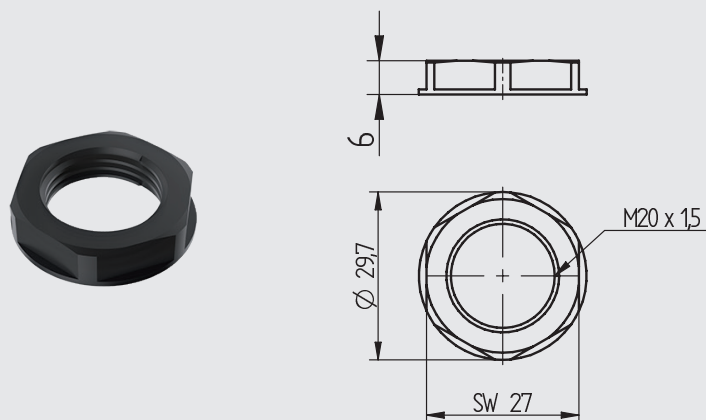
pkg.	wt.	part no.
200	4.2 g	<b>47.121.-702.14</b>

**Lock washer M20**  
Material: steel zinc plated



pkg.	wt.	part no.
200	2.5 g	<b>47.121.-305.80</b>

**Lock nut M20x1.5 mm**  
Material: PA



# Mouser Electronics

Authorized Distributor

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[47.121.-303.80](#) [47.121.-303.90](#) [47.121.-305.80](#) [47.121.-702.14](#) [47.121.U303.80](#) [47.121.E702-102-00](#) [47.121.E303-101-00](#) [47.121.U303-001-03](#) [47.121.E303-001-00](#) [47.121.E305-001-00](#)