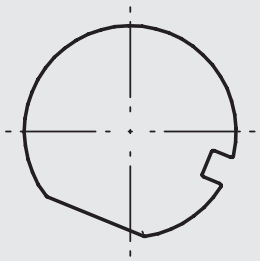
LED - Lighting and connection technology

Receptacle **47.121**.U303-0 for communication and sensor units
with attached flat seal for standardised metal sheet cut-out

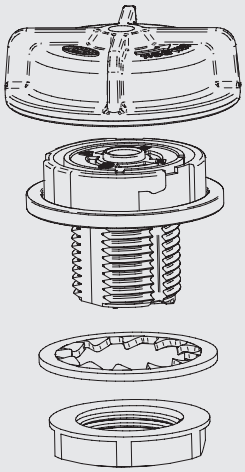


Electromechanical interface for outdoor luminaires according to Zhaga Book 18 to accommodate communication and sensor units

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

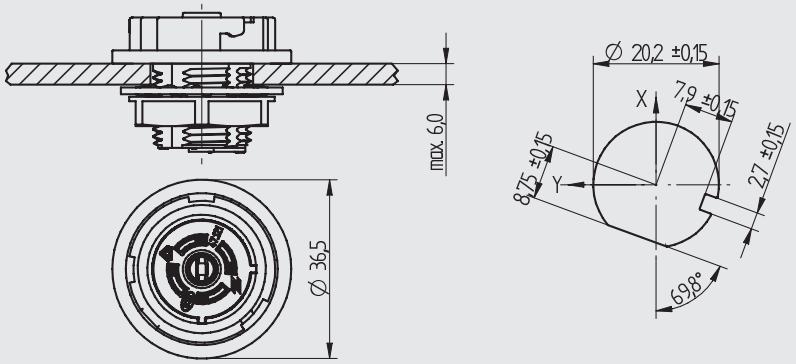
Sealing cap: 47.121.E303.xx
Material: PBT

Receptacle with attached flat seal: 47.121.U303-0
4 pole
Material: Contacts: CuSn
Housing: PBT / PC
Flat seal: Material: MVQ (Silicone)

Lock washer M20: 47.121.E702-1
Material: steel zinc plated

Lock nut M20x1.5 mm: 47.121.E305-0
Material: PA

Assembly dimensions and cut-out



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 - 1.0 mm^2
Solid wire	0.5 - 1.5 mm^2
Strip length	8 - 10.5 mm
Insulation diameter	max. 3 mm
Lead	16 - 20 AWG

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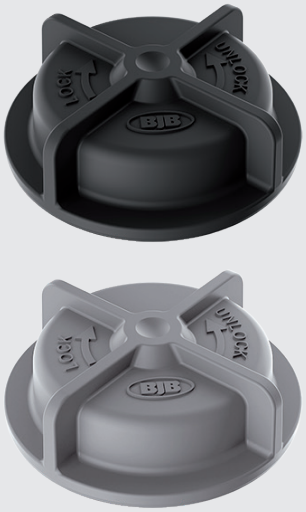
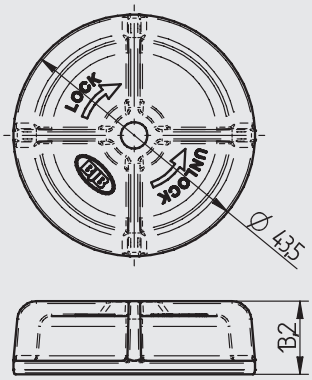
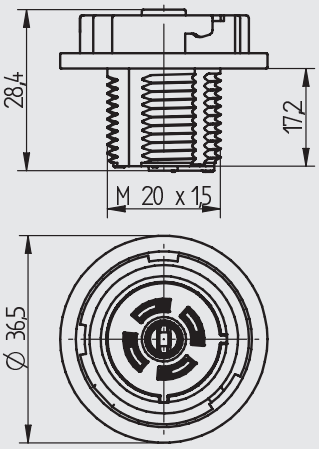
Receptacle **47.121**.U303-0 for communication and sensor units
with attached flat seal for standardised metal sheet cut-out





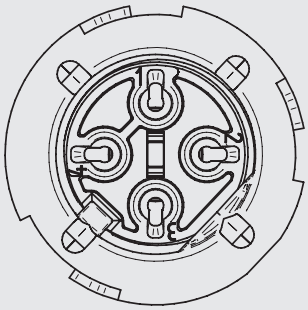
pkg.	wt.	part no.
200	7.8 g	**47.121.**E303-0 black
200	7.8 g	**47.121.**E303-1 dark gray
200	7.8 g	**47.121.**E303-2 anthracite

Sealing cap
Material: PBT

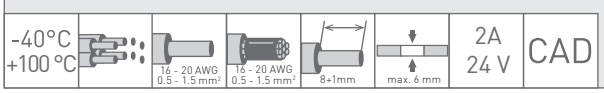


pkg.	wt.	part no.
200	9.6 g	**47.121.**U303-0

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 mm², 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/0 (contact 4)
3	Positive pole for [DALI] protokol
4	General Digital I/0 (> 7V)



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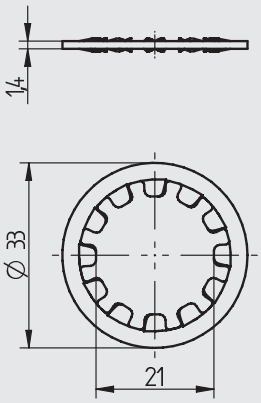
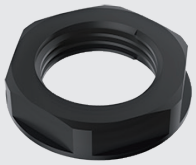
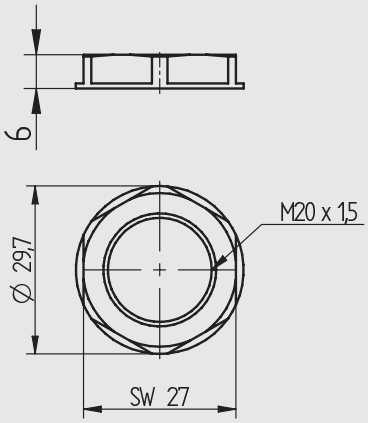
with attached flat seal for standardised metal sheet cut-out



pkg.	wt.	part no.
200	4.2 g	**47.121.**E702-1

Lock washer M20
Material: steel zinc plated





pkg.	wt.	part no.
200	2.5 g	**47.121.**E305-0

Lock nut M20x1.5 mm
Material: PA