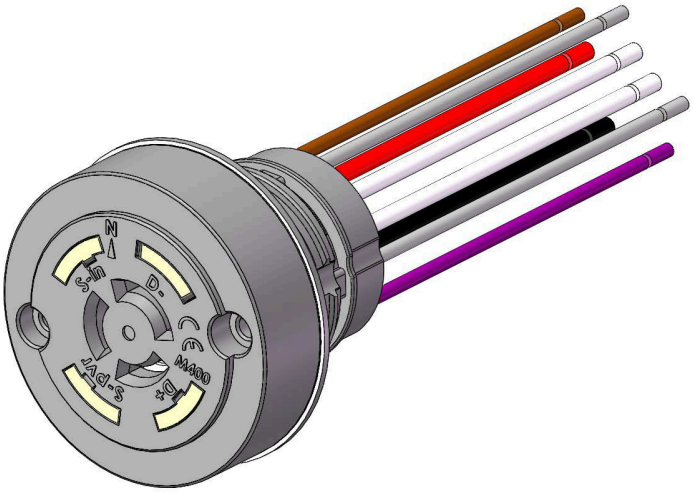
PHOTOCONTROL PLUG-IN LOCKING TYPE SOCKET

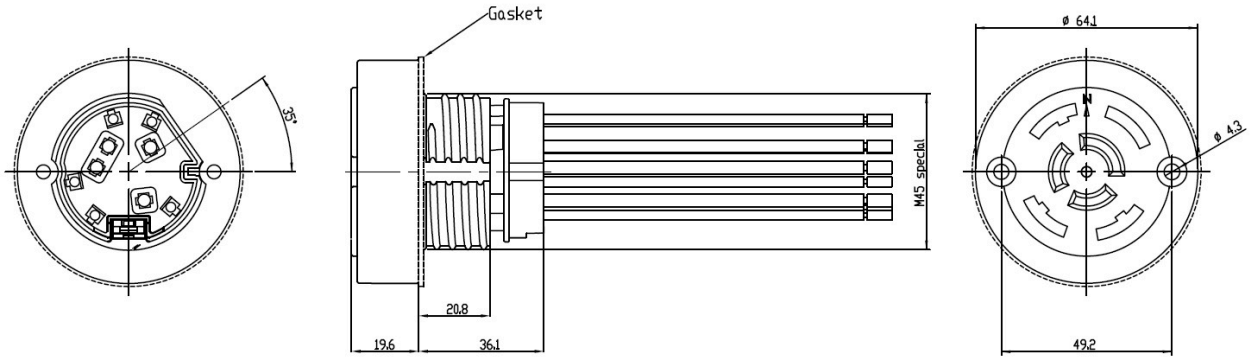
M400-

2017

Type: **3 POLES (4 WAYS) "POWER" + 4 POLES (5 WAYS) "SIGNAL" PHOTOCONTROL PLUG-IN LOCKING TYPE SOCKET (NEMA SOCKET)**



Rated voltage:	**480 V AC/DC - 10 V AC/DC for the signal contacts**
Rated current:	**4 A for the power contacts - 0,10 A for the signal contacts**
Working temperature:	**T -30°C + T 110°C**
Connected cable working temperature:	**T 90°C ÷ T 200°C**
In conformity to the standards:	**EN60598-1: 2015**
	(Following the ANSI C136.41-2013 and ANSI C136.10-2017 as far as applicable)
In conformity to the requirements of the directive:	**2014/35/EU**
Approval marks:	**CSv-IMQ**



M400-: 3 Poles (4 Ways) "Power" + 4 Poles (5 Ways) "Signal" photocontrol plug-in locking type socket (Nema Socket), built up with a main socket device (code M400C-) and a part movable wired connector (code M400M-)

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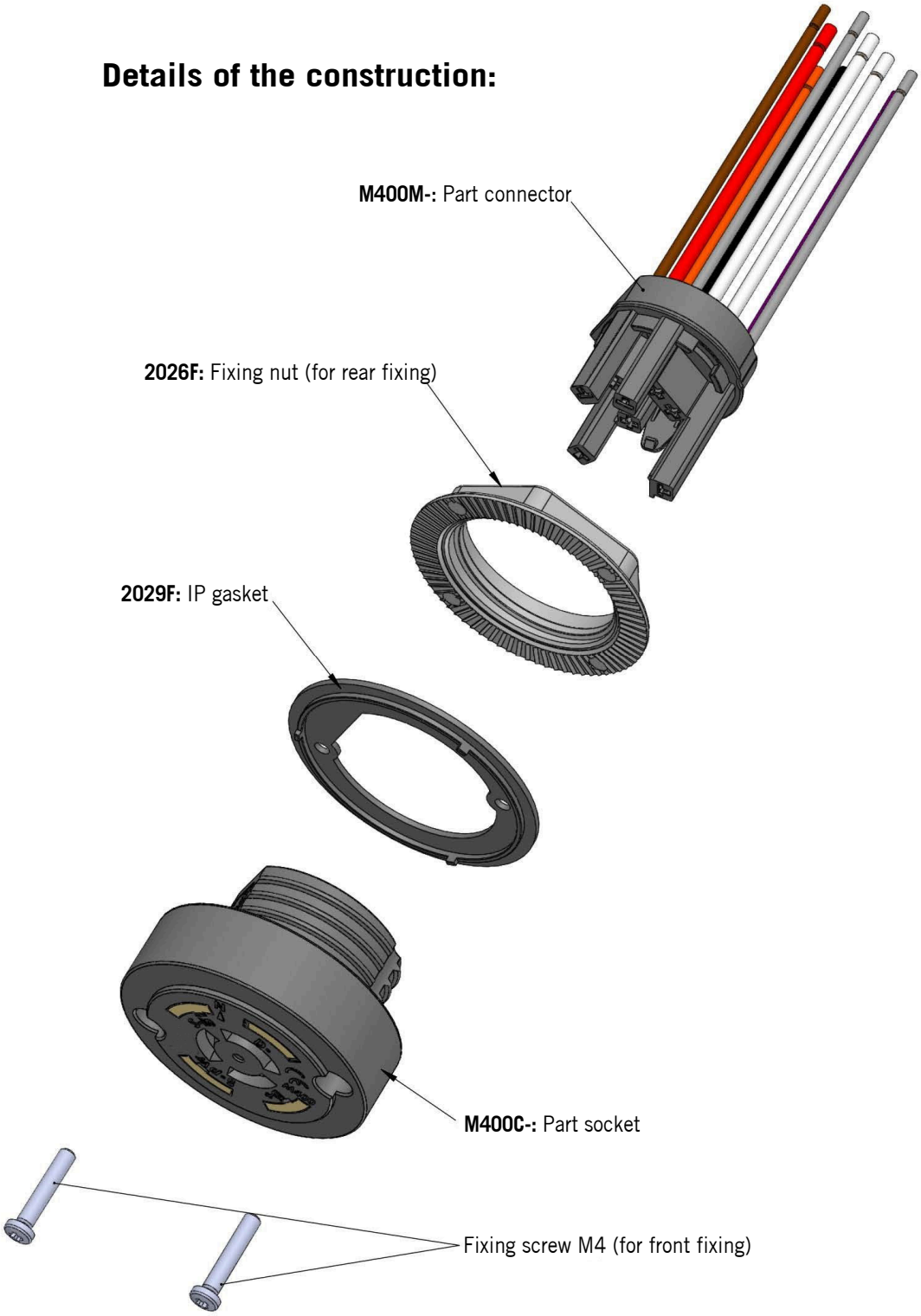
Details of the construction:



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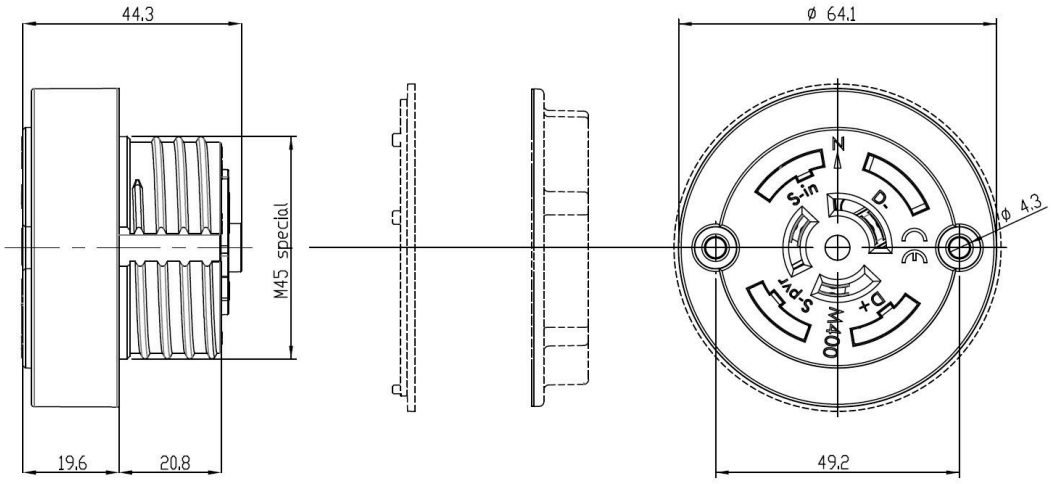
M400C-



M400C-: Part socket of the 3 Poles (4 Ways) "Power" + 4 Poles (5 Ways) "Signal" photocontrol plug-in locking type socket (Nema Socket), to be coupled with the part connector M400M-, to be fixed using two M4 screws (front fixing) or using the nut 2026F (rear fixing) interposing, between the device and the fixing structure, the gasket 2029F.

- External envelope in black thermoplastic material PBT.
- Internal envelope with special thread M45 in black thermoplastic material PBT.
- Power contacts in tin-plated phosphorous bronze with male lamellar connection (1 contact for the phase “Line-Out” to the control unit, 1 contact for the phase “Line-In” from the control unit to the fixture and 1 contact with double connection for the neutral).
- Signal contacts in gold-plated and silver-plated brass with male lamellar connection. (1 contact with double connection for the signal “D-", 1 contact for the signal “D+”, 1 contact for the signal “S-in” and 1 contact for the signal “S-pvr”.
- Gasket in thermoplastic rubber TPE (not included in the code, it shall be ordered as code 2029F).
- Fixing nut with special thread M45 and hexagonal key 50 mm in thermoplastic material (not included in the code, it shall be ordered as code 2029F).

- Weight: 93,4 g.
- Weight of the gasket 2029F: 3,2 g.
- Weight of the nut 2026F: 11 g.

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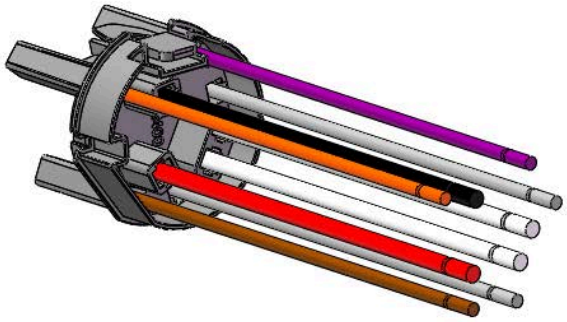
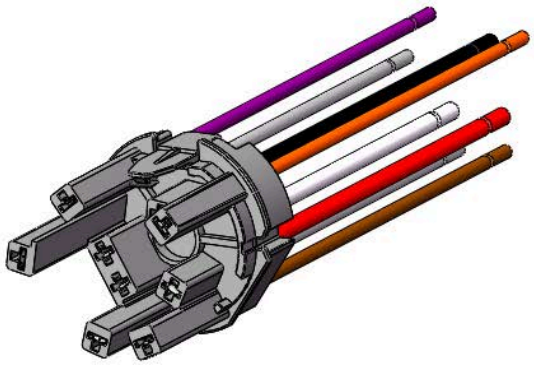
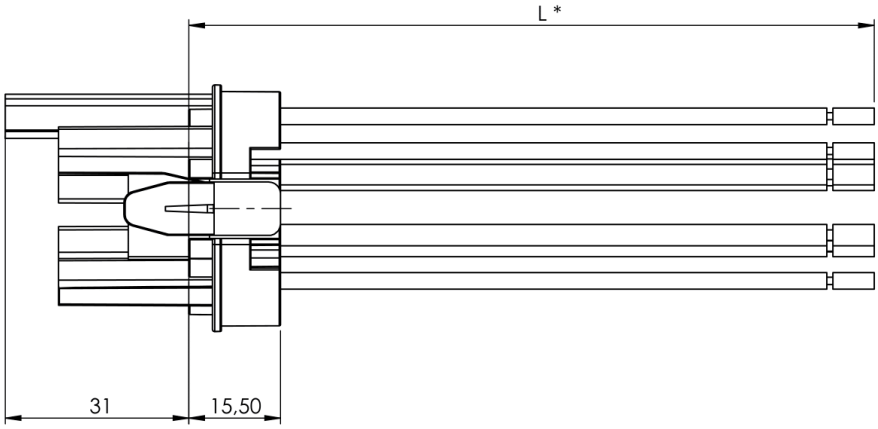
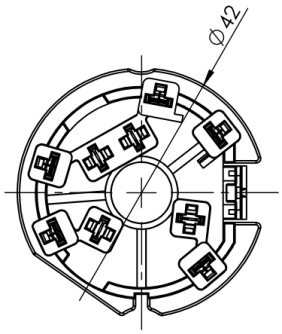
M400M-





M400M-: Part Connector of the 3 Poles (4 Ways) "Power" + 4 Poles (5 Ways) "Signal" photocontrol plug-in locking type socket (Nema Socket) to be coupled with the part socket M400C-, wired with cables from section 0.35 mm² (or AWG 22) to section 1.00 mm² (or AWG 18).





- Envelope in black thermoplastic material PA6.
- Female power contacts in pre- tin-plated brass with reinforcing leaf spring supplied already crimped to the cables, 1 female contact for the phase “Line-Out” to the control unit, 1 female contact for the phase “Line-In” from the control unit to the fixture and 2 female contacts for the neutral).
- Female signal contacts in pre-tin-plated brass supplied already crimped to the cables (2 female contacts for the signal "D-", 1 female contact for the signal "D+", 1 female contact for the signal "S-In" and 1 female contact for the signal "S-Pvr").

- Weight (without cables): 14,6g.

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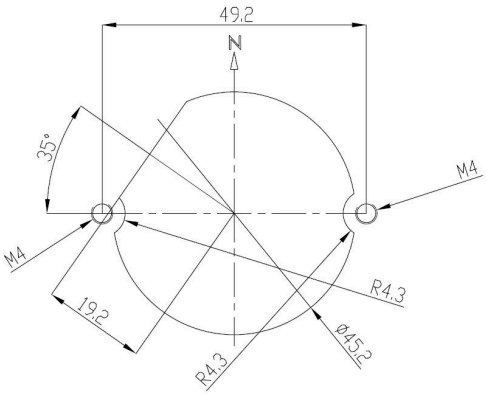
Fixing of the Socket M400C-:

- If front fixing, using two M4 screws (length 15 mm + structure thickness) and tightening them with a recommended torque force of 1.6 Nm (maximum allowed torque force 1,8 Nm).
- If rear fixing, using the Nut 2026F and tightening it with a hexagonal key 50 mm tool with a recommended torque force of 5,0 Nm (maximum allowed torque force 7,0 Nm).

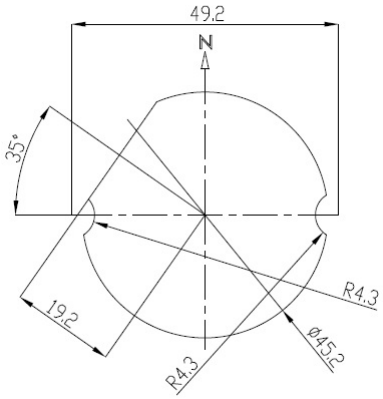
For the fixing, it is suggested to interpose the gasket 2029F between the device and the fixture structure.

Template to fix the socket M400C- on structures:

Fixing with M4 screws

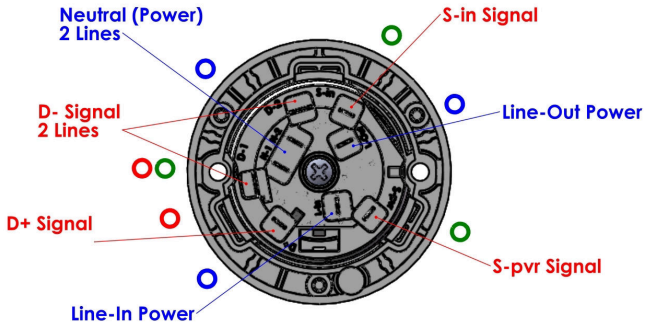


Fixing with Nut 2026F

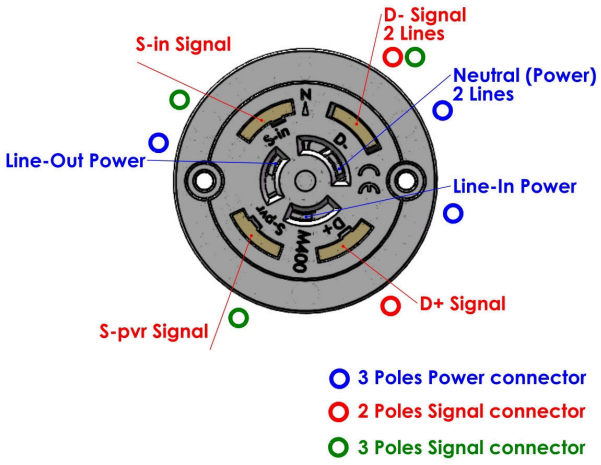


Wiring Diagram

Wiring diagram / frontal view



Wiring diagram / back view



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