3 PIN, 20A, 500V, IP 65

ORCAVE
POWERCON3

Connector for safe, waterproof connection of appliances powered by 230V. The three-pin design for a maximum current of up to 20A will satisfy even the most demanding reflectors. The unlocking is at the level of the terminal board inside the mast.

mechanical design

Design	modern flat shape with gentle cooling profiles
Dimensions	820 x 436 x 137 mm
Material	die-cast aluminum, powder coating, silicone gasket, diaphragm valves
Paint color	cream light, velvet gray, deep black
Opening	tool-free, self-closing lock
Handle	for column and boom, ⌀ 60, adjustable ± 15°
Mechanical resistance	IK10
Degree of protection	IP65
Weight	12 kg

light source

Main	2,700 to 6,500 K (remote controlled), 0 to 210 W / 25,200 lm (remote controlled)
Additional	3,000 K, 0 to 24 W / 3,300 lm (remote controlled)
Signaling	RGB, 0 to 20 W / 2,200 lm (remote controlled)
Color Rendering	>70
ULOR	0%
Power	0 to 250 W

optics

Base	thickness 6 mm, cast acrylic PMMA, sandblasted
Direction of light	optional radiation combination: IES I to V / spot 45°, 60°, 90°, 120°
Mounting	user replaceable
Identification	lens arrangement registered in AnyCity

Design

The lamp has a modern flat shape with gentle cooling profiles on the top. The body is made of die-cast aluminum with powder coating in three color variants. The cover opens by hand with side clips. Inside there is a board with LEDs and a base with optics. Assembly and disassembly of the main parts is simple. The lamp is powered by a 48 V DC source, which is located at the base of the column. A CAT6 cable is suitable for connecting the lamp and the source.

Functions

It is possible to remotely control the light flux intensity of each of the 6 main COBs in the range of 0 to 100%. After installation, the parameters can be easily adjusted individually in each light location. If the system is controlled with the help of traffic intensity sensors, all light spots adapt to the new situation in a balanced way. For each COB, the replacement chromaticity temperature can also be changed in the range of 2,700 K to 6,500 K. Alternatively, it is possible to install a COB with a replacement chromaticity temperature in the range of 1,800 K to 4,000 K and adapt its operation to the circadian biocycle. HP LEDs are located on the sides of the lamp, each group is controlled separately and serves to complete the emission characteristics on wet or dry roads. The lenses are replaceable in each position (COB and HP LED) as needed, while it is possible to choose from IES type I to V characteristics and separate spots 45° to 90°. The final combination of lenses for that location is stored in the AnyCity system. The lamp contains several powerful full-color RGB LEDs, which are used to inform road users about various situations.