DELTA Electronics

IP68
ACTIVE SPLICE ENCLOSURE P01

The smart connection of fiber optics, power supply and active network technology.

Combines fiber splice enclosure, power feed and active components in one robust housing. Switches, media converters, PoE injectors or control technology are protected directly inside the enclosure.

Fiber to the enclosure
then Ethernet / PoE to active end devices



CONNECTION AND POWER - EVERYTHING IN ONE ENCLOSURE

FIBER OPTIC TO THE ENCLOSURE



ETHERNET (PoE) TO ACTIVE END DEVICES

- Video Camera
- 5G Transmitter
- WiFi Hotspot

IP68 WATERPROOF
Reliable protection against dust and continuous immersion.

COMPACT
Active technology, fiber and power feed in one enclosure.

PoE READY
Power supply for cameras, radio and WiFi systems.

FLEXIBLE
Installation in chambers, in the ground, on poles, walls or facades.

THE KEY ADVANTAGE OVER IP65 POLE-MOUNTED TELECOM BOXES

IP65 protects against dust and water jets. The IP68 Active Splice Enclosure P01 is designed for watertight installations - ideal when chambers can fill with water, in wet ground, or at exposed outdoor pole locations.

Why DCT DELTA?
Robust network technology for demanding communication infrastructures - engineered for stable connections, customized system solutions and harsh outdoor environments.

CONNECTING VISIONS.
DELIVERING SOLUTIONS.

DELTA Electronics

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IP68 INSTEAD OF IP65

MORE SAFETY IN WATER, CHAMBERS AND OUTDOOR INSTALLATIONS

Conventional IP65 pole-mounted telecom boxes are suitable for outdoor applications, but they are not designed for submersion or installation points where water can accumulate. This is exactly where the IP68 Active Splice Enclosure P01 adds value.

IP65 BOX

Pole-mounted outdoor enclosure



IP65 telecom box pole-mounted

Protection against dust and water jets - but not the right solution for standing water, flooded chambers or submersion.

IP68 ACTIVE SPLICE ENCLOSURE P01

For ground, chamber, pole and facade



IP68 watertight solution - engineered for installations where moisture, water in chambers or harsh outdoor conditions are critical.

DIRECT COMPARISON

Criterion	IP65 telecom box	IP68 Active Splice Enclosure P01
Dust protection	IP65: dust-tight	**IP68: dust-tight**
Water protection	IP65: water jets / rain	**IP68: immersion / water in chambers**
Installation location	Mainly pole / wall	**Chamber, ground, pole, wall, facade**
Active technology	Separate cabinet may be required	**Switch, media converter and PoE directly inside the enclosure**
Risk with standing water	critical	**designed for wet environments**
Customer benefit	standard outdoor enclosure	**fewer handover points, compact and robust**

APPLICATION AREAS

FTTH in the ground
handover in chambers and onward connection to buildings

Pole / facade
fiber to the enclosure, Ethernet/PoE to the end device

Smart City
video, 5G/radio, WiFi hotspots and sensors

Industry / campus
protected active technology close to the point of use

IP68 Active Splice Enclosure P01 | Active network infrastructure directly inside the enclosure

References: IP65/IP68 ingress-protection logic; E-abel IP65 pole-mounted telecom box as comparison example.

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FIBER IN.
ETHERNET / PoE OUT.