



IPS

IP-Rated Test Accessory for IOTA Emergency Drivers



The IPS Test Switch for IP67 Applications

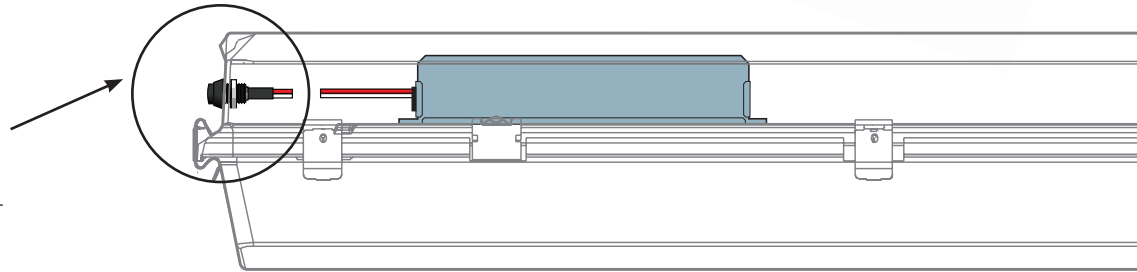
IOTA® offers a specialized IP67-rated test switch for use with certain IOTA emergency LED drivers. The IPS test switch provides the physical testing functionality for the emergency driver but with protection against intrusion of moisture or debris into the fixture. This expands the use of IOTA emergency drivers into wider applications such as wet, humid, and washdown environments utilizing enclosed and gasketed fixtures.

Like the standard test component offerings, the IPS features an LED indicator to allow the component to serve as both a test switch and illuminated indicator of the emergency driver charge status.



Using the IPS Component

The IPS IP-rated test switch is purchased separately and used in place of the TBTS test switch provided with select IOTA emergency LED drivers.



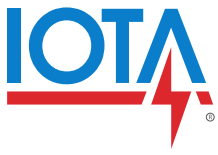
NOTE: IOTA emergency drivers themselves are not IP-rated and must be installed within a properly-rated luminaire for total system integrity. The IPS test switch installs within the provided opening to allow for functional testing of the emergency driver inside the luminaire.

IPS Compatibility and Ordering Guide

Different IOTA emergency LED drivers use different test switch components with voltage ratings specific to the driver design. A component with an incorrect voltage rating will prevent proper operation of the emergency driver, therefore always select the proper voltage IPS for your emergency product. Physically, the different IPS switches appear identical. The presence (or absence) of a colored dot on the IPS component will indicate the voltage rating of the component.

Integral (no flex) emergency drivers

IPS Component	Description	Identifier	Compatible with
KIT IPS15V	Accessory, IPS test switch component, IP67 rated, 15-volt	Blue Dot	ILB CP05 B ILB CP07 B ILB CP07 2H B ILB CP10 B ILB CP12 B ILBSL CP05 ILBSL CP07 ILBSL CP10 ILBSL CP12
KIT IPS2V	Accessory, IPS test switch component, IP67 rated, 2-volt	No Dot	ILB CP05 HE B ILB CP07 HE B ILB CP10 HE B ILBSL CP08 HE ILBSL CP10 HE
KIT IPS5V	Accessory, IPS test switch component, IP67 rated, 5-volt	Red Dot	ILB 3020



Wiring Connections

The wiring of the IPS is consistent with the wiring connections of the TBTS test component, featuring two hardwire leads connecting to the accessories leads of the IOTA emergency driver.



Emergency Drivers for Integral Installation

Emergency drivers suitable for use with the separate IPS test switch must be integrally-installed within the fixture (no flexible conduit or top mounting.) Refer to the mounting designs to the right for emergency driver configuration details.

“B” (integral - no flexible conduit)



“SL” series (slim profile)



FAQ

What is IP67?

NEMA (National Electrical Manufacturers Association) has an established rating system for determining ingress protection levels at a variety of levels. IP67 requires “a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.”

The IPS is IP67-rated, but is the emergency driver?

Most IOTA emergency drivers are not IP67-rated, but many are suitable for use in damp locations and enclosed and gasketed fixtures (always refer to the product specifications for complete product ratings.) If the emergency driver is properly installed within an IP67 fixture, the IPS switch will be the only exposed component and therefore is the only aspect of the emergency driver that requires the IP67 rating.

Which IOTA components can be replaced with an IPS test switch?

The IPS test switch is only designed to be used in place of standard TBTS test switches of 2V, 5V, and 15V. Currently, the IPS *cannot* be used with self-diagnostic emergency drivers that require either a dual-color (Red/Green) TBTS or three-color (Red/Green/Amber) TCTS indicator and switch.

Can the IPS be ordered with the IOTA emergency driver as standard?

Only IOTA cold-weather emergency drivers include the IPS switch as the standard test accessory. For other IOTA emergency drivers, the IPS must be ordered as a separate item.

Will using the IPS require any additional certifications for my fixture?

The IPS is designed to be a fully functional replacement accessory for the TBTS. Typically, no re-certification of the fixture should be required as long as you are using the proper IPS equivalent for the TBTS. Exceptions may be dependant on which details you chose to include in your fixture’s UL report.