# **ATO® FLR SERIES**

# 32 V Printed Circuit Board (PCB) Fuse Holder



178.6164.0001

# **Description**

The ATO® FLR Series 80 V Printed Circuit Board (PCB) Fuse Holder accepts ATO® blade-style fuses and is designed with leaf spring connectors. The fuse holder housing is made from black thermoplastic with a UL 94 V-0 flammability rating for heat and fire resistance. On the bottom center of the fuse holder, you will find a locking feature, which helps secure the housing to a PCB prior to soldering.

The ATO® FLR Series PCB fuse holder is available with either 1-pin, tin-plated copper alloy soldering terminals or 4-pin, silver-plated copper alloy soldering terminals.

### **Web Resources**

Download 2D print, installation guide and technical resources at: **littelfuse.com/ATOFLR** 

# **Specifications**

Continuous Current Rating: 11A, 22.5A

Max Current Rating: 15A, 30A

Max Current Rating Terminal: 15A, 30A

Fuse Type: ATO

Flammability Rating: UL 94 V-0

Mounting Method: PCB Mount

Max Voltage Rating: 80 VDC

**Additional Notes:** This product can use FKS 80V fuses

### **Applications**

• Automotive PCB Fusing

#### **Features and Benefits**

- Compatible with ATO® blade-style fuses (sold separately)
- Copper alloy terminals for through-hole soldering
- Available with 1-pin, tin-plated terminals (11 A continuous current, 15 A max) or 4-pin, silver-plated terminals (22.5 A continuous current, 30 A max)
- Black, heat-resistant thermoplastic fuse holder body with a UL 94 V-0 flammability rating
- Leaf spring connector system
- Locking feature secures the fuse holder to the PCB prior to soldering

### **Ordering Information**

PART NUMBER	DESCRIPTION	FUSE TYPE	MOUNTING METHOD	MAX CURRENT RATING	MAX VOLTAGE RATING
178.6164.0001	32 V 15 A Printed Circuit Board (PCB) Fuse Holder with 1-Pin Terminals - 100-Pack - W/O Fuse	AT0	PCB Mount	15 Amps	32 VDC
178.6164.0002	32 V 15 A Printed Circuit Board (PCB) Fuse Holder with 1-Pin Terminals - 500-Pack - W/O Fuse	AT0	PCB Mount	15 Amps	32 VDC
178.6165.0001	32 V 30 A Printed Circuit Board (PCB) Fuse Holder with 4-Pin Terminals - 100-Pack - W/O Fuse	AT0	PCB Mount	30 Amps	32 VDC
178.6165.0002	32 V 30 A Printed Circuit Board (PCB) Fuse Holder with 4-Pin Terminals - 500-Pack - W/O Fuse	AT0	PCB Mount	30 Amps	32 VDC

THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT ARE CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF LITTELFUSE. REVISIONS ZONE REV. DATE DESCRIPTION APPROVED PART NUMBER DESCRIPTION C IN CAD GEZ. ULB 01/10/00 D AEND.Nr: 287 MAK 04/16/02 178.6165.0001 HOLDER - FLR (ATO) PCB 80V 4-PIN 100 PC E AEND.Nr: 0058 HOEP 04/06/05 F AEND.Nr: 20113DN1 HOEP 06/03/06 178.6165.0002 HOLDER - FLR (ATO) PCB 80V 4-PIN 500 PC G 510213ECA-REDRAW IN UG OPL 07/03/14 ECN #523216: CLARIFY DIMENSIONS, ADD PN, 01/06/2021 S.CASTILLO UPDATE TEMPLATE → 6.0±0.1 **←** -20±0.2-**P**PUDENZ Tel.Nr.1+49/ 17.5 (0)4244/819-021.6±0.2 1.5¬  $\emptyset$ 3 1.15<sup>0.00</sup><sub>-0.07</sub> (3 legs) **HOLE PATTERN** -5.8±0.05 Ø 1.4±0.1--3.5±0.07 DIMENSIONS ARE SHOWN IN MILLIMETERS, DIMENSIONS AND T DEFINED ACCORDING TO ANSI/ASME Y14.5-1994.

FIT FUNCTION CRITICAL CHARACTERISTICS SYMBOL 6±0.1 <S> 2.5±0.07 SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL DENOTES CPK DIMENSIONS MINIMUM CPK VALUE Ø 2.4±0.1 NOTES: -20±0.2-- MATERIAL: DIMENSION; MM TOLERANCES UNLESS OTHERWISE SPECIFIED
ONE PLACE DECIMAL ± 0.5 THREE PLACES DECIMAL ± 0.100
TWO PLACES DECIMAL ± 0.20 ANGULAR ± 2\* \*\* HOUSING: THERMOPLASTIC \*\* DFK1-TERMINALS F SOLDERING: Cu-ALLOY, Ag- PLATED NAME DATE **Littelfuse** DRAWN OPL 03/14/14 Expertise Applied Answers Delivered - GENERAL TOLERANCES: DIN 7168-m HOLDER-FLR (ATO) PCV 80V 4-PIN THIRD ANGLE PROJECTION

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