

201-XXX-SP-DPDT SERIES

Single-phase voltage/phase monitor



Description

The 201-xxx-SP-DPDT Series is an 8-pin octal-base, plug-in voltage monitor designed to protect single-phase motors regardless of size. The 201-100-SP-DPDT is used on 95-120VAC, 50/60Hz motors to prevent damage caused by low voltage. The 201-200-SP-DPDT is used on 190-240VAC, 50/60Hz motors. The units feature two isolated sets of contacts that are ideal for use with two control circuits with different voltages.

The unique microcontroller-based voltage and voltage-sensing circuit constantly monitors the voltage to detect harmful power line conditions. When a harmful condition is detected, the MotorSaver's output relays are deactivated after a specified trip delay. The output relays reactivate after power line conditions return to an acceptable level and a specified amount of time has elapsed (restart delay). The trip delay prevents nuisance tripping due to rapidly fluctuating power line conditions.

Must use Model OT08PC socket for UL Rating!

Note: Manufacturer's recommended screw terminal torque for the RB Series and OT Series Octal Sockets is 12 in.-lbs.

Wiring Diagram



Features & Benefits

| FEATURES | BENEFITS |
|--|--|
| Proprietary microcontroller based circuitry | Constant monitoring of voltage to detect harmful power line conditions, even before the motor starts |
| Fixed trip delay 4s | Prevents nuisance tripping due to rapidly fluctuating power line conditions |
| Advanced LED indication | Provides diagnostics which can be used for troubleshooting and to determine relay status |
| Compact design for 8-pin; DIN rail or surface mount | Allows flexibility in panel installation |

Accessories



OT08PC 8-pin Octal Socket

Octal Socket for plug-in units. 8-pin surface & DIN rail mountable. Rated for 10A @ 600VAC.

Ordering Information

| MODEL | INPUT VOLTAGE | DESCRIPTION |
|-----------------|---------------|----------------------------|
| 201-100-SP-DPDT | 95-120VAC | Two isolated Form C relays |
| 201-200-SP-DPDT | 190-240VAC | Two isolated Form C relays |

201-XXX-SP-DPDT SERIES

Specifications

Input Characteristics

Line Voltage:

| | |
|------------------------|------------|
| 201-100-SP-DPDT | 95-120VAC |
| 201-200-SP-DPDT | 190-240VAC |
| Frequency | 50/60Hz |

Functional Characteristics

Low Voltage (% of setpoint):

| | |
|--------------|-----------|
| Trip | 90% +/-1% |
| Reset | 93% +/-1% |

Trip Delay Times:

| | |
|--------------------|-----------|
| Low Voltage | 4 seconds |
|--------------------|-----------|

Restart Delay Times:

| | |
|---|-----------|
| After a Fault or Complete Power Loss | 2 seconds |
|---|-----------|

Output Characteristics

Output Contact Rating (DPDT)

| | |
|------------------------|----------------|
| Pilot Duty | 480VA @ 240VAC |
| General Purpose | 10A @ 240VAC |

General Characteristics

Ambient Temperature Range:

| | |
|------------------|------------------------------|
| Operating | -20° to 70°C (-4° to 158°F) |
| Storage | -40° to 80°C (-40° to 176°F) |

| | |
|----------------------------|-----|
| Maximum Input Power | 5 W |
|----------------------------|-----|

| | |
|--------------------------|---------------------------------------|
| Relative Humidity | 10-95%, non-condensing per IEC 68-2-3 |
|--------------------------|---------------------------------------|

Standards Passed

| | |
|---|--|
| Electrostatic Discharge (ESD) | IEC 61000-4-2, Level 3, 6kV contact, 8kV air |
| Radio Frequency Immunity, Radiated | 150MHz, 10V/m |
| Fast Transient Burst | IEC 61000-4-4, Level 3, 3.5kV input power and controls |

Safety Marks

UL (OT08PC octal socket required)

UL508 (File #E68520)

CE

IEC 60947-6-2

Dimensions

H 44.45 mm (1.75"); **W** 60.325 mm (2.375");
D 104.775 mm (4.125") (with socket)

Weight

0.65 lb. (10.4 oz., 294.84 g)

Mounting Method

DIN rail or surface mount
(plug in to OT08PC socket)

Socket Available

Model OT08PC (UL Rating 600V)

The 600V socket can be surface mounted or installed on DIN Rail

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9