This catalog covers our wide range of power tool switches. The standard versions are listed with their part numbers. Sample switches and installation drawings with tolerance specifications are available on request. Use of these products requires application specific knowledge. Our engineers will be glad to give their guidance in selection as well as product-oriented application indications.

Our entire program is distinguished by one common feature: The consistently high quality level which has made us the favorite supplier to leading manufacturers worldwide. We are certified according to ISO TS 16949:2002, the actual QM-standard of the automotive industry. Quality is the most important part of our program.
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SWITCHES FOR CORDED POWER TOOLS

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SWITCHES FOR CORDED POWER TOOLS

Double pole ON/OFF trigger switches –
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Series 2200

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### SWITCHES FOR CORDED POWER TOOLS

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<td>8 (8) A 250 V~ 5E4, 15 A 125 VAC / 8 A 250 VAC, 25 A 12-36 VDC</td>
</tr>
<tr>
<td>1206</td>
<td>Single pole and double pole push button switches for indirect actuation</td>
<td>8 (8) A 250 V~ 5E4, 10 A 125 VAC / 5 A 250 VAC</td>
</tr>
<tr>
<td>1247</td>
<td>Double pole push button switches for indirect actuation</td>
<td>8 (8) A 250 V~ 5E4, 14 A 125 VAC / 8 A 125 VDC, 8 A 250 VAC</td>
</tr>
<tr>
<td>1246</td>
<td>Double pole push button switches for indirect actuation</td>
<td>8 (8) A 250 V~ 5E4, 15 A 125 VAC 1 HP / 15 A 125 VDC 1 HP, 25 A 24 VDC</td>
</tr>
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Double pole push button switches for indirect actuation –
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Solid state control units,
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## Approvals

Nearly all Marquardt-power tool switches are approved according to IEC 61058-1 (EN 61058-1) and with the ENEC mark and approved by UL and CSA as special use switches according to UL 1054 resp. C 22.2 - 55.

### Approval marks

<table>
<thead>
<tr>
<th>Europe</th>
<th>USA</th>
<th>Canada</th>
</tr>
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</table>

### Electrical rating

According to the European standard, the rated current for motor load is indicated in brackets. According to the regulations of the approval authorities of USA (UL) and of Canada (CSA), the permissible motor load is indicated by means of the HP-Value (horse-power). This HP-rating refers to the mechanical power of the machine. Unless specified otherwise, the rating for the electronics is normally equal to the rated power of the mechanical contacts (depending on the installation and cooling conditions).

### Endurance

The mechanical endurance is the number of possible cycles of operations without electrical load, while the electrical endurance is the number of cycles of operating at maximum electrical load. The lower the electrical rating, the more the electrical endurance approaches the mechanical endurance. Due to the parallel circuit paths with the integrated electronics, the electrical endurance approaches the mechanical endurance when the switch is used in the power tool.

### Operating cycles

Switches that are expected to be actuated more than 2,000 times per year must be approved for frequent operation ≥ 50,000 operating cycles). Most of our switches for electric power tools meet this requirement and are marked with the symbol 5E4. Switches not marked with this symbol are approved for 10,000 operating cycles.

### Protection against dust

The actuating side on most of the power tool switches shown in this catalog is dust protected. You will find a corresponding note in the individual description. The dust protection indicated in our documents refers according to IEC 61058-1 (EN 61058-1) to the actuating side of the switch. The sealing between switch and customer equipment as well as the examination on tightness have to be realized by the customer.

### Ambient temperature

The switches for electric power tools shown in this catalog are mainly approved for an ambient temperature of 55 °C max. Versions for 85 °C max. are marked with T 85.
# HINTS FOR TECHNICAL INFORMATION

## Contact gap

Switches having a contact gap < 3 mm are not recommended as the only means of disconnecting an appliance from the supply. These switches are marked with µ. Please pay attention to the appliance requirements.

## Regulations for protection of machines

We recommend the use of switches with approval marks IEC 61058-1 (EN 61058-1) if you have to meet the regulations of the standard institutions for protection of power tools.

Switches without approval marks have to be tested by your approval authority together with the appliance.

## Regulations for machines

Please consult specific tool safety requirements for additional specifications.

## CE identification

Our power tool switches comply as electrical accessories with the requirements of the low voltage regulation 73/23/EWG. The CE mark is shown on the smallest package unit of the switch. The appliance must satisfy the requirements of the EMC regulations.

## Minimum order amounts

The minimum order amounts of individual switches depend on the respective packing units and the production batch sizes. Please ask for information.

## Changes

We reserve the right to alter switches in accordance with technical improvements. The data specified in the catalog (e.g. dimensions, photos, drawings) are not binding. Ask for samples and outline drawings with tolerance specifications for new projects.

## Application indications / Liability

Since all data in this catalog refer exclusively to the switches supplied by us, the customers themselves are responsible for the examination whether our switches are suitable for the individual case planned by them. Please contact us for further information.

Our liability exclusively depends on our terms of payment and delivery, which we send you on request.

## EMC – interference suppression

Requirements for the appliance interference suppression can be found in EN 61058-1:2002 and in the appliance-respective EMC regulations.
SERIES 2700 – ON/OFF TRIGGER SWITCHES

FOR CORDLESS DC POWER TOOLS

**Product description**

- SPNO with integrated brake contact
- Optional integrated reversing module
- Lock-off in mid-position of lever
- Dust protected

**Technical data**

- Electrical rating 25 A / 18 V
- Mechanical endurance
  - SPNO 1E5 cycles
  - DPDT 5E4 cycles
- Electrical endurance
  - SPNO 1E5 cycles
  - DPDT 5E4 cycles
- Contacts Ag
- Volume resistance < 4 mΩ

**Terminals**

- Solder lugs on the motor and battery side

**Special versions on request**

- Switches with battery clamps
- Switches for higher battery voltages up to 24 V
- Switches without brake contact

**Switching function**

### 2700.0101

- For cordless DC power tools

### 2700.5101

- With reversing module

SERIES 2704 – ON/OFF TRIGGER SWITCHES

FOR CORDLESS DC POWER TOOLS

Product description

:: SPNO with integrated brake contact
:: Locking ring which couples with customized actuator
:: Dust protected

Technical data

:: Electrical rating 30 A / 36 V
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Volume resistance < 4 mΩ

Terminals

:: Solder lugs on the motor and battery side resp. flat connectors 6.3 x 0.8

Special version on request

:: Version with additional terminals for external resistance braking

Switching function
SERIES 2701-2711 – SWITCHES WITH ELECTRONICS

FOR CORDLESS DC POWER TOOLS

Product description:

:: SPNO with integrated PWM (Pulse Width Modulated) electronics in various dimensions optional with:
- Integrated reversing module
- Lock-off in mid-position of lever
- Integrated brake contact
:: Dust protected
:: Average duty cycle of motor voltage
  15 - 80 % (depending on series), then by-pass to battery voltage

Technical data:

:: Electrical ratings:
Series 2707: 20 A / up to 18 V
Series 2701: 25 A / up to 24 V
Series 2711: 25 A / up to 24 V
Series 2709: 25 A / up to 36 V
:: Mechanical endurance
SPNO 1E5 cycles
DPDT 5E4 cycles
:: Electrical endurance
SPNO 1E5 cycles
DPDT 5E4 cycles
:: Contacts Ag
:: Volume resistance with by-pass contact closed Series 2701, 2707, 2711: < 4 mΩ
  Series 2709: < 7 mΩ

Terminals:

:: Series 2701, 2707 and 2711:
  Solder lugs on the motor and battery side
:: Series 2709: flat connectors 6.3 x 0.8 on the motor and battery side
SERIES 2701/2707 – SWITCHES WITH ELECTRONICS

FOR CORDLESS DC POWER TOOLS

**Product description**

- Electrical rating 25 A/12 V
- Rated battery voltage 7,2 V-14,4 V
- With integrated brake contact
- Copper heat sink

**Special versions on request**

- Switches with battery clamps
- Switches for higher battery voltages up to 24 V
- Versions with torque control

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**Product description**

- Electrical rating 20 A/12 V
- Rated battery voltage 7,2 V-12 V
- Aluminium heat sink

**Special versions on request**

- Switches with battery clamps
- Switches with brake contact
- Switches for higher battery voltages up to 18 V
SERIES 2709/2711 – SWITCHES WITH ELECTRONICS

FOR CORDLESS DC POWER TOOLS

Product description

:: Electrical rating 25 A/36 V
:: Rated battery voltage 24 V-36 V
:: With integrated brake contact
:: Copper heat sink
:: Switches with solder lugs
:: Switches with two parallel MOSFETs for higher currents
:: Switches with integrated passive linear potentiometer
:: Switches with one-finger and two-finger trigger
:: Switches with long lever for direct actuation
:: ON-OFF versions without Electronics

Special versions on request

:: Electrical rating 25 A/12 V
:: Rated battery voltage 7.2 V-12 V
:: Switches with battery clamps
:: Switches without brake contact
:: Switches for higher battery voltages up to 24 V

2709.5101 with reversing module

2711.5101 with reversing module

2709.5301 with reversing module

2711.5602 with reversing module
## CUSTOMIZED VERSIONS

**FOR CORDLESS DC POWER TOOLS**

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<th>Series 2713</th>
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<tr>
<td><img src="image11.png" alt="Image" /></td>
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</table>
SWITCHES WITH ELECTRONICS FOR CORDED POWER TOOLS
SERIES 1298/1299/2504 - SWITCHES WITH/WITHOUT ELECTRONICS

FOR CORDED POWER TOOLS

Product description

:: SPNO with by-pass contact in different electronic versions, such as half-wave speed control with or without feed-back, full-wave speed control, diode or passive linear potentiometer optional with:
  - Reversing module
  - Thumbwheel for limiting actuator travel
  - Lock-on

Technical data

:: Electrical rating mechanical contact system SPNO
  8 (8) A 250 V~ 5E4 / 13 A 125 VAC

:: Mechanical endurance
  SPNO 1E5 cycles
  DPDT 1E4 cycles

:: Electrical endurance
  SPNO 1 E5 cycles
  DPDT 5 E4 cycles

:: Contacts Ag

:: The electronics are to be tested together with the corresponding appliance

:: Suitable for appliances of class II

Terminals

:: Line side: pillar terminals M3
:: Motor side: push-in terminals for soldered strands, strands with end sleeves or strands with end claws
:: Versions with reversing module additional 4 x plug-in terminals 2,8 x 0,8 mm
SERIES 1298/2504 - SWITCHES WITH ELECTRONICS

FOR CORDED POWER TOOLS

**Series 1298**

- Half-wave electronic speed control with by-pass contact
- Electrical rating mechanical contact system SPNO
  - 6 (6) A 250V~ 5E4 / 10 A 125VAC

**Special versions 1298 on request**

- With longer heat sink for higher currents
- For special voltages, special frequencies and special functions
- Without lock-button

**Series 2504**

- Half-wave electronic speed control with by-pass contact
- Electrical rating mechanical contact system SPNO
  - 6 (6) A 250V~ 5E4
- Electrical rating Electronics
  - 3,5 A 250V~
SERIES 1298/2504 - SWITCHES WITH ELECTRONICS

FOR CORDED POWER TOOLS

Series 1298

:: Electrical rating mechanical contact system SPNO
   6 (6) A 250 V~/ 5E4 / 10 A 125 VAC

:: Electrical rating electronics depending on the application

Special versions 1298 on request

:: With extended heat sink for higher currents
:: For special voltages, special frequencies and special functions

Series 2504

:: Electrical rating mechanical contact system SPNO
   6 (6) A 250 V~/ 5E4

:: Electrical rating electronics
   3.5 A 250 V~
SERIES 1299 - SWITCHES WITH/WITHOUT ELECTRONICS

FOR CORDED POWER TOOLS

1299.5431
ON/OFF with reversing module

1299.0101
with passive linear potentiometer

1299.5101
with passive linear potentiometer and reversing module

Series 1299
:: Electrical rating mechanical contact system SPNO
8 (8) A 250 V~/ 5 E4 / 13 A 125 VAC
:: SPNO optional with integrated passive linear potentiometer

Special versions 1299 on request
:: With integrated diode
:: Different actuator designs

Customized versions series 1298/2504/1299
SERIES 1201/1202/1203 - DPDT

REVERSING SWITCH FOR SERIES 1298/1299/2504

Product description
:: Double pole change-over for reversing direction
:: Additional switch for series 1298, 1299 and 2504
:: Various lever designs

Technical data
:: Mechanical endurance 1E4 cycles
:: Electrical endurance 5E4 cycles

Terminals
:: 4 x plug-in terminals 2,8 x 0,8 mm or
:: 4 x clamped connection without screws

Special versions on request
:: With short lever for slide actuation

Switching function
SERIES 2602 - SWITCHES WITH ELECTRONICS

FOR CORDED POWER TOOLS

Product description
:: DPNO with by-pass contact, optional with:
   - integrated half-wave electronic speed control or full-wave electronic speed control
   - passive linear potentiometer
   - Lock-on
:: Dust protected

Technical data
:: Electrical rating
   10 (10) A 250 V~/ 16 A 125 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals
:: Line side: pillar terminals M3,5 with screw locking
:: Motor side: flat connector 4,8 x 0,8 mm resp. additional 2,8 x 0,8 mm

Special versions on request
:: ON/OFF version

Switching function

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2602.0101 with lock-on

2602.0201 with lock-on

2602.5101 with passive linear potentiometer
ON/OFF TRIGGER SWITCHES
FOR AC AND DC POWER TOOLS

MARQUARDT
SERIES 1276 - ON/OFF TRIGGER SWITCHES

in US-SHAPE FOR CORDED POWER TOOLS

Product description

:: SPNO optional with:
   - Lock-on
   - Lock-off

Technical data

:: Electrical rating
   8 (8) A 250 V~ 5E4 / 13 A 125 VAC / 6 A 250 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Line side: 2 x pillar terminals M3
:: Motor side: 4 x push-in terminals for soldered strands, strands with end sleeves or strands with end claws

Special versions on request

:: SPNO with 2 x push-in terminals for soldered strands for line side and 2 x push-in terminals for soldered strands, strands with end sleeves or strands with end claws for motor side

Switching function

Customized versions
SERIES 1277 - ON/OFF TRIGGER SWITCHES
FOR CORDED POWER TOOLS

Product description

:: DPNO optional with:
  - Lock-on
  - Lock-off

Technical data

:: Electrical rating
  5 (5) A 250 V ~ 5E4
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Line side: 2 x pillar terminals M3
:: Motor side: 4 x push-in terminals for soldered strands, strands with end sleeves or strands with end claws

Switching function

Customized versions
# SERIES 2100 - ON/OFF TRIGGER SWITCHES

## FOR CORDED POWER TOOLS

### Product description

- DPNO optional with:
  - Lock-on
  - Lock-off

### Technical data

- Electrical rating:
  - Up to 8 (8) A 250 V~ / 12 A 125 VAC
- Mechanical endurance: 1E5 cycles
- Electrical endurance: 5E4 cycles
- Contacts: Ag
- Suitable for appliances of class II

### Terminals

- Line side: pillar terminals M3 with screw locking
- Motor side: plug-in terminals
  - 4.8 x 0.8 mm resp. additional
  - 2.8 x 0.8 mm

### Switching function

### Customized version
SERIES 1281 - ON/OFF TRIGGER SWITCHES

FOR CORDED POWER TOOLS

Product description

:: DPNO optional with:
- Lock-on
- Lock-off
:: High dust protection for hardest application conditions

Technical data

:: Electrical rating 8 (8) A 250 V~ 5E4
10 A 125-250 VAC
3/4 HP 125 VAC
1 1/2 HP 250 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Pillar terminals M3

Special versions on request

:: DPNO for higher electrical rating up to
17.5 A 125 V AC
:: Lock-on and lock-off

Switching function

Customized versions
SERIES 1269 - DOUBLE POLE ON/OFF TRIGGER SWITCHES

FOR CORDED AND CORDLESS POWER TOOLS

Product description

:: DPNO optional with:
  - Lock-on
  - Lock-off
:: Dust protected

Technical data

:: Electrical rating 10 (10) A 250 V~ 5E4
  22 A 125 VAC/DC, 1 1/2 HP
  10 A 250 VAC/DC, 1 HP
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Screw terminals M3,5

Special versions on request

:: SPDT change-over braking version
:: Upgraded version with arc extinguishing shield
:: Examples on page 35

Switching function

<table>
<thead>
<tr>
<th>DPNO with lock-on</th>
<th>DPNO with lock-off</th>
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<tbody>
<tr>
<td>1 2 1 2</td>
<td>1 2 1 2</td>
</tr>
</tbody>
</table>
SERIES 1269 - DOUBLE POLE ON/OFF/
SINGLE POLE CHANGE-OVER SWITCHES

**Product description**

- DPNO
- Electrical rating 10 (10) A 250 V~ 5 E4
  - 22 A 125 VAC/DC, 1 1/2 HP
  - 10 A 250 VAC/DC, 1 HP

- SPDT change-over, e.g. for braking power tools with additional auxiliary coil
- Electrical rating 10 (10) A 250 V~ 5 E4
  - 22 A 125 VAC, 1 1/2 HP
  - 15 A 125 VDC, 1 1/2 HP
- Upgraded SPDT with arc extinguishing shield and higher DC-rating

**Switching function**

- Change-over

**Customized versions**

- 1269.0602
- 1269.0801
- 1269.1001
- 1269.5601
SERIES 1369 - DOUBLE POLE ON/OFF TRIGGER SWITCHES
WITH TIME-DELAYED CONTACT FOR LIMITATION OF STARTING CURRENT

Product description
:: DPNO with additional time-delayed contact, e.g. for soft starting over protective resistor optional with:
  - Lock-on
  - Lock-off
:: Delay time 0.4 ... 0.8 sec
  at 20 °C ± 5 °C
:: Dust protected

Technical data
:: Electrical rating 10 (10) A 250 V= 5E4
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals
:: Screw terminals M3,5

Special versions on request
:: DPNO with additional normally closed contact e.g. for braking power tools with additional auxiliary coil
:: UL-Version

Switching function

1369.0601
SERIES 1267 - DOUBLE POLE ON/OFF TRIGGER SWITCHES

FOR CORDED POWER TOOLS

Product description

:: DPNO optional with:
  - Lock-off
  - Lock-on
:: Preparation for strain relief for power cord
:: Suppression capacitor
  C=0.22 µF/275 VAC
:: Dust protected

Technical data

:: Electrical rating 10(10) A 250 V~ 5E4
  16 A 125 -250 VAC
  1 HP 125 VAC / 2 HP 250 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
::
:: Suitable for appliances of class II

Terminals

:: Line side: pillar terminals M4 with screw locking
:: Motor side: plug-in terminals 6.3 x 0.8 mm

Special versions on request

:: DPNO for higher electrical ratings up to
  12 (12) A 250 V~ 5E4, 20 A 125 -250 VAC
:: Without suppression capacitor

Switching function

Customized versions

1267.0101 with lock-on and lock-off

:: Terminals

:: Mains

:: DPNO

:: Special versions

:: Customized versions
SERIES 1362 - DOUBLE POLE ON/OFF TRIGGER SWITCHES
WITH TIME-DELAYED CONTACT FOR LIMITATION OF STARTING CURRENT

Product description
:: DPNO with additional time-delayed contact, e.g. for soft start-up over protective resistor, optional with:
   - Lock-off
   - Lock-on
:: Preparation for strain relief for power cord
:: Delay time 0,3 up to 0,9 sec
:: Suppression capacitor C=0,22 μF/275 VAC
:: Dust protected

Technical data
:: Electrical rating 2,6 kW 250 V~ with limitation of starting current
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals
:: Line side: pillar terminals M4 with screw locking
:: Motor side: plug-in terminals 6,3 x 0,8 mm

Special versions on request
:: DPNO without lock-off
:: Without lock-on
:: Without suppression capacitor

Switching function
:: We can help you in the choice of the protective resistor/electronics.

Customized versions

1362.0101 with lock-on and lock-off

35
SERIES 2200 - DOUBLE POLE ON/OFF TRIGGER SWITCHES

FOR CORDED POWER TOOLS

Product description

:: DPNO optional with:
   - Lock-off
   - Lock-on
:: Suppression capacitor C=0,22 µF/275 VAC
:: Dust protected

Technical data

:: Electrical rating
   8 (8) A 250 V~ 5E4
   16 A 125 -250 VAC / 14 A 125 -250 VAC
   3/4 HP 125 VAC
   1 1/2 HP 250 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Line side: pillar terminals M4
:: Motor side: plug-in terminals
   6,3 x 0,8 mm

Special versions on request

:: DPNO for higher electrical ratings up to
   12 (12) A 250 V~ 5E4, 20 A 125 -250 VAC

Switching function

Customized versions
SERIES 1257 - DOUBLE POLE ON/OFF ROCKER SWITCHES

FOR CORDED POWER TOOLS

Product description
:: DPST
:: Suppression capacitor C=0,22 µF/275 VAC
:: Dust protected

Technical data
:: Electrical rating 8 (8) A 250 V~ 5E4
   14 A 125-250 VAC
   3/4 HP 125 VAC
   1 1/2 HP 250 VAC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals
:: Line side: pillar terminals M 4
:: Motor side: plug-in terminals 6,3 x 0,8 mm

Special versions on request
:: DPST for higher electrical ratings up to
   12 (12) A 250 V~ 5E4, 20 A 125-250 VAC

Switching function

Customized version
SERIES 1205 - DOUBLE POLE SLIDE SWITCHES
FOR REVERSING FUNCTIONS

Product description
:: DPDT
:: Dust protected

Technical data
:: Electrical rating 10 (6) A 250 V~
:: Mechanical endurance 5E4 cycles
:: Electrical endurance 1E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals
:: Line side: screw terminals M3.5
:: Motor side: screw terminals M3.5

Switching function

1205.0101

1a 1b 2a 2b

1 2
**SERIES 1206 - SINGLE POLE SLIDE SWITCHES**

For direct/indirect actuation for AC and DC power tools.

**Product description**

:: SPST optional with fixing barrier
:: For direct and indirect actuation
:: Dust protected
:: Optional sealing from actuation side

**Technical data**

:: Electrical rating 8(8) A 250 V~ 5E4
   15 A 125 VAC / 8 A 250 VAC
   25 A 12-36 V DC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

**Terminals**

:: Plug-in terminals 6,3 x 0,8 mm
:: PCB terminals straight

**Special versions on request**

:: Other solder lugs
:: Momentary function

**Switching function**
SWITCHES FOR INDIRECT ACTUATION
FOR CORDED POWER TOOLS
SERIES 1247 - SINGLE AND DOUBLE POLE SWITCHES

FOR INDIRECT ACTUATION FOR CORDED POWER TOOLS

Product description

- SPNO and DPNO optional with:
  - Mounting ribs
  - Suppression capacitor
- SPNO (second path bridged)
- Dust protected

Technical data

- Electrical rating 7 (7) A 250 V~ 5E4
  10 A 125 VAC / 5 A 250 VAC
- Mechanical endurance 1E5 cycles
- Electrical endurance 5E4 cycles
- Contacts Ag
- Suitable for appliances of class II

Terminals

- Line side: screw terminals M3.5
- Motor side and suppression device: plug-in terminals 2.8 x 0.8 mm

Special version on request

- Non-momentary function (push/pull)

Switching function

single pole

double pole

1247.0301 SPNO
1247.2301 DPNO

1247.0501 SPNO with suppression capacitor
1247.2501 DPNO with suppression capacitor

1247.0102 SPNO
1247.2102 DPNO
SERIES 1246 - DOUBLE POLE PUSH BUTTON SWITCHES

FOR INDIRECT ACTUATION FOR CORDED POWER TOOLS

1246.3101
DPNO with suppression capacitor

Product description

:: DPNO optional with:
    - Mounting ribs
    - Suppression capacitor
:: Dust protected

Technical data

:: Electrical rating 8 (8) A 250 V~ 5E4
   14 A 125 VAC / 8 A 125 VDC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Line side: screw terminals M3,5
:: Motor side: plug-in terminals 4,8 x 0,8 mm,
   additional 2,8 x 0,8 mm

Special version on request

:: DPDT for 6 (6) A 250 V~

Switching function

1246.3201 1246.3101
SERIES 1249 - DOUBLE POLE AC/DC PUSH BUTTON SWITCHES

FOR INDIRECT ACTUATION FOR AC AND DC POWER TOOLS

Product description

:: DPNO optional with:
   - Suppression capacitor
   - Mounting ribs
:: Dust protected

Technical data

:: Electrical rating 8 (8) A 250 V~ 5E4
   15 A 125 VAC 1 HP / 15 A 125 VDC 1 HP
   25 A 24 VDC
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Suitable for appliances of class II

Terminals

:: Line side: screw terminals M3,5
:: Motor side: plug-in terminals 4,8 x 0,8 mm
   resp. additional 2,8 x 0,8 mm

Switching function

1249.0101
1249.0201
SERIES 1267 - DOUBLE POLE PUSH BUTTON SWITCHES

FOR INDIRECT ACTUATION FOR CORDED POWER TOOLS

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<td>:: 14 A 125 VAC 3/4 HP</td>
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<td>:: 14 A 250 VAC 1 1/2 HP</td>
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<td>:: Mechanical endurance 1E5 cycles</td>
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<td>:: Line side: screw terminals M4</td>
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<td>:: Motor side: plug-in terminals 6.3 x 0.8 mm</td>
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<th>Special versions on request</th>
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<tr>
<td>:: DPNO for higher electrical ratings up to 12 (12) A 250 V 5E4, 20 A 125 - 250 VAC</td>
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<th>Switching function</th>
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1267.7101

non-momentary function

1267.7121

19

62.6

72.5

4

6.3 - 0.8

14.5 12.3

1.5

15

28

12.5

9

M3.5

55.6

7

2

1

3
SERIES 2075 - ROTARY POTENTIOMETER
FOR PCB ASSEMBLIES

**Product description**
:: Rotary potentiometer, optional with NO contact

**Technical data**
:: Electrical rating SPNO
   4 (2) A 250 V~
:: Mechanical endurance 1E5 cycles
:: Electrical endurance 5E4 cycles
:: Contacts Ag
:: Resistance value $R_N = 220 \, \text{k}\Omega$
:: Tolerance on request
:: Rotation angle of switch 30°, rotation angle of resistor 270°

**Terminals**
:: Silver-plated PCB

**Switching function**

---

**2075.1501**
with switch

**2075.1801**
without switch

**2075.2421**
without switch, with print A-G, white
CUSTOMIZED POWER TOOL SWITCHES
AND BRUSHRINGS
CUSTOMIZED SPEED-CONTROL UNITS WITH AND WITHOUT FEEDBACK
SOLID STATE CONTROL UNITS
For further information about these switches please request our standard switches catalog.
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SWITCHES AND SWITCHING SYSTEMS FOR AUTOMOBILES

- Rocker, toggle and push button switches, bus-capable switches, multifunctional switches, control panels, control devices, electronic keys, electronic ignition starter switches, Keyless Go systems, electronic steering locks

POWER TOOL SWITCHES

- Mechanical and electronic switches and switching systems for DC and AC electrical power tools

APPLIANCE SWITCHES

- Rocker switches, toggle switches, slide switches, push button switches, rotary multistep switches, foot switches and pilot lights

SNAP ACTION SWITCHES

- Open, enclosed and bistable snap action switches, open leaf switches, snap action switches with dust and splash water protection

SENSORS AND SYSTEM SOLUTIONS

- Flow sensors, turbidity sensors, displacement sensors, automatic control systems