**Features/Benefits**
- Broad range of products
- Extra long life cycles available
- Variety of operating forces and heights
- Thru-hole and SMT options
- Custom design available

**Typical Applications**
- Consumer electronics
- Computer peripherals
- Household appliances
- Audio & visual equipment
- Automotive

**How To Order**
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

**RS-014B05** Square Shape Actuator

**Specifications**
- CONTACT RATING: 50mA @ 12 VDC
- INITIAL CONTACT RESISTANCE: 100 m ohms max.
- INSULATION RESISTANCE: 100 M ohms min.
- DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
- RELEASING FORCE: 20gf min. (0.196N min.)
- TRAVEL: 0.25 ± 0.10 mm
- OPERATING TEMPERATURE: -20°C to 70°C

**Materials**
- KNOB: PA
- COVER: SPCC
- HOUSING: PA
- SPRING PLATE: Silver clad
- TERMINAL: Silver plated

**Notes**: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
**RS Series Tact Switches**

**RS-014R05** Cylinder Shape Actuator

**Specifications**
- CONTACT RATING: 50mA @ 12 VDC
- INITIAL CONTACT RESISTANCE: 100 m ohms max.
- INSULATION RESISTANCE: 100 M ohms min.
- DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
- RELEASING FORCE: 20gf min. (0.196N min.)
- TRAVEL: 0.25 ± 0.10 mm
- OPERATING TEMPERATURE: -20˚C to 70˚C

**Materials**
- KNOB: PA
- COVER: SPCC
- HOUSING: PA
- SPRING PLATE: Silver clad
- TERMINAL: Silver plated

**RS-014B05 SMA** Square Shape Actuator SMT

**Specifications**
- CONTACT RATING: 50mA @ 12 VDC
- INITIAL CONTACT RESISTANCE: 100 m ohms max.
- INSULATION RESISTANCE: 100 M ohms min.
- DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
- RELEASING FORCE: 20gf min. (0.2N min.)
- TRAVEL: 0.25 ± 0.10 mm
- OPERATING TEMPERATURE: -20˚C to 70˚C

**Materials**
- KNOB: PA
- COVER: SPTE
- HOUSING: PA
- SPRING PLATE: Silver clad
- TERMINAL: Silver plated

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
NEW!

RS Series
Tact Switches

RS-014R05 SMA RT  Cylinder Shape Actuator SMT

Specifications

CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 100,000 cycles with load
OPERATING FORCE: 160 ± 30 gf
RELEASING FORCE: 20gf min. (0.196N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PA
COVER: SPTE
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

RS-044R05 Cylinder Shape Actuator THT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials
KNOB: PBT
COVER: SPTE
HOUSING: PBT
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.

RS-044R05 SMA Cylinder Shape Actuator SMT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials
KNOB: PA
COVER: SPTE
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

NEW!

RS-022R05

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
_RELEASEING FORCE: 20gf min. (0.196N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 80°C

Materials
KNOB: PA
COVER: SPTE
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS 032 Series
Tact Switches

NEW!

RS-032G05

Specifications

CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
RELEASING FORCE: 20gf min. (0.196N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PA46
COVER: SUS
HOUSING: PA46
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

NEW!

RS-032G05 NH RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 30,000 cycles with load
OPERATING FORCE: 180 ± 50gf
RELEASEING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
KNOB: PA
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.

RS-032G05 SM RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 30,000 cycles with load
OPERATING FORCE: 180 ± 50gf
RELEASEING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
KNOB: PA
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

NEW!

RS-032G05 SM EM RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 30,000 cycles with load
OPERATING FORCE: 180 ± 50gf
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
KNOB: PA
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

NEW!

RS-187N05 DS RT

Specifications
- CONTACT RATING: 50mA @ 12 VDC
- INITIAL CONTACT RESISTANCE: 100 m ohms max.
- INSULATION RESISTANCE: 100 M ohms min.
- DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
- OPERATING LIFE: 100,000 cycles with load
- OPERATING FORCE: 180 ± 50gf (1.76 ± 0.49N)
- RELEASING FORCE: 20gf min. (0.2N min.)
- TRAVEL: 0.25 ± 0.10 mm
- OPERATING TEMPERATURE: -20°C to 70°C

Materials
- COVER: SUS
- HOUSING: PA
- SPRING PLATE: Silver clad
- TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

RS-187R05 DS MT RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open
terminals and between the frame and terminal.
OPERATING LIFE: 50,000 cycles with load
OPERATING FORCE: 180 ± 50gf (1.764 ± 0.49N)
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, please contact Customer Service.

RS-187R05B DS-MT U RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open
terminals and between the frame and terminal.
OPERATING LIFE: 50,000 cycles with load
OPERATING FORCE: 180 ± 50gf (1.764 ± 0.49N)
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
KNOB: C2680R
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, please contact Customer Service.
NEW!

RS Series
Tact Switches

Specifications

CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 50,000 cycles with load
OPERATING FORCE: 250 ± 50gf
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials

KNOB: PA
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

RS-285G05 SM RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 50,000 cycles with load
OPERATING FORCE: 160 ± 50gf (1.76 ± 0.49N)
RELEASING FORCE: 50gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials
KNOB: PA
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.

RS-285G05 U RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 100,000 cycles with load
OPERATING FORCE: 180 ± 50gf (1.76 ± 0.49N)
RELEASING FORCE: 50gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials
COVER: SUS
HOUSING: PA
SPRING PLATE: Silver clad
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.
RS Series
Tact Switches

NEW!

RS-188G05A EM RT

Specifications
CONTACT RATING: 50mA @ 12 VDC
INITIAL CONTACT RESISTANCE: 100 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 30,000 cycles with load
OPERATING FORCE: 180 ± 50gf
RELEASING FORCE: 20gf min. (0.2N min.)
TRAVEL: 0.25 ± 0.10 mm
OPERATING TEMPERATURE: -20˚C to 70˚C

Materials
KNOB: PA
COVER: SPTE
HOUSING: PA
SPRING PLATE: SUS
TERMINAL: Silver plated

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.

Dimensions are shown: mm
Specifications and dimensions subject to change

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