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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Changeover switch - RS20-US-S0212-0303-014H-001 - 3069712

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Changeover switch, with 0 position, Connection method: Screw connection, Number of positions: 3, Function: 1 - 0 - 2, Switching zones: 3, Switching program number: S0212, Rated continuous current: 20 A, Voltage: 690 V

Why buy this product

- ✓ The compact rotary switch is designed for use in energy technology applications with the available switching programs
- ✓ The use of high-quality materials results in a long mechanical and electrical service life
- ✓ Comprehensive approvals ensure international use
- ✓ High level of safety thanks to non-conductive plastic parts
- ✓ The terminal points are designed in such a way that shock protection according to BGV A2 is ensured
- ✓ The rotary switch is free from cadmium and compliant with the RoHS directive

RoHS

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 771580 |
| GTIN | 4046356771580 |

Technical data

General

| | |
|--------------------------|---|
| Number of connections | 12 |
| Color | silver/black |
| Rotary switch function | 1 - 0 - 2 |
| Switching program number | S0212 |
| Switching angle | 60 ° |
| Rated continuous current | 20 A |
| Maximum load current | 20 A |
| Rated surge voltage | 6 kV |
| Rated insulation voltage | 690 V (Valid for networks with grounded neutral point, overvoltage category III, degree of pollution 3) |

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Technical data

General

| | |
|--|--|
| Rated operating current according to AC-15 (switching of solenoid drives, contactors, valves, pulling electromagnets) | 5 A (220 - 240 V) |
| | 4 A (380 - 440 V) |
| Rated operating current according to AC-21A (switching of ohmic loads including small overloads) | 20 A |
| Rated operating current according to AC-22A (switching of mixed ohmic and inductive loads, including small overloads) | 20 A (220 - 500 V) |
| | 20 A (660 - 690 V) |
| Switching power according to AC-3 (squirrel-cage motors: direct starting, switching off motors during operation, star-delta startup (CH16B)) | 3 kW (220 - 240 V; 3-phase, 3-pos.) |
| | 5.5 kW (380 - 440 V; 3-phase, 3-pos.) |
| | 5.5 kW (500 V; 3-phase, 3-pos.) |
| | 5.5 kW (660 - 690 V; 3-phase, 3-pos.) |
| | 0.6 kW (110 - 120 V; 1-phase, 2-pos.) |
| | 2.2 kW (220 - 240 V; 1-phase, 2-pos.) |
| | 3 kW (380 - 440 V; 1-phase, 2-pos.) |
| Switching power according to AC-4 (squirrel-cage motors: starting, reversing, plugging, inching) | 0.55 kW (220 - 240 V; 3-phase, 3-pos.) |
| | 1.5 kW (380 - 440 V; 3-phase, 3-pos.) |
| | 1.5 kW (500 V; 3-phase, 3-pos.) |
| | 1.5 kW (660 - 690 V; 3-phase, 3-pos.) |
| | 0.3 kW (110 - 120 V; 1-phase, 2-pos.) |
| | 0.75 kW (220 - 240 V; 1-phase, 2-pos.) |
| | 1.5 kW (380 - 440 V; 1-phase, 2-pos.) |
| Switching power according to AC-23A (frequent switching of motors or other highly inductive loads) | 3.7 kW (220 - 240 V; 3-phase, 3-pos.) |
| | 7.5 kW (380 - 440 V; 3-phase, 3-pos.) |
| | 7.5 kW (500 V; 3-phase, 3-pos.) |
| | 7.5 kW (660 - 690 V; 3-phase, 3-pos.) |
| | 0.75 kW (110 - 120 V; 1-phase, 2-pos.) |
| | 2.5 kW (220 - 240 V; 1-phase, 2-pos.) |
| | 3.7 kW (380 - 440 V; 1-phase, 2-pos.) |
| Breaking capacity | 150 A (220 - 240 V) |
| | 150 A (380 - 440 V) |
| | 80 A (660 - 690 V) |
| Maximum power dissipation for nominal condition | 2.7 W |
| Ambient temperature (operation) | -35 °C ... 55 °C (Open, at 100% load, with peaks up to 60°C) |
| IP immunity to short-circuiting with maximum backup fuse | 25 A (gL/gG characteristics) |
| Rated short-time current resistance | 140 A (1 s current) |

Dimensions

| | |
|--------|---------|
| Width | 48 mm |
| Length | 82.5 mm |

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Technical data

Dimensions

| | |
|--------------------|---------|
| Height | 48 mm |
| Hole diameter | 7 mm |
| Height | 29 mm |
| Installation depth | 52.5 mm |

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -35 °C ... 55 °C (Open, at 100% load, with peaks up to 60°C) |
|---------------------------------|--|

Connection data

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|---|----------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 18 |
| Max. AWG conductor cross section, flexible | 14 |
| Conductor cross section / stranded with ferrule without plastic sleeve min. | 2.5 mm ² |
| Conductor cross section / stranded with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section / stranded with ferrule with plastic sleeve min. | 1.5 mm ² |
| Conductor cross section / stranded, with ferrule with plastic sleeve max. | 1.5 mm ² |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 2.5 mm ² |
| Two conductors with the same cross section, AWG solid min. | 20 |
| Two conductors with the same cross section, AWG solid max. | 14 |
| 2 conductors with same cross section, stranded min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded max. | 2.5 mm ² |
| Two conductors with the same cross section, AWG stranded, min. | 18 |
| Two conductors with the same cross section, AWG stranded, max. | 14 |
| 2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum | 2.5 mm ² |
| 2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum | 2.5 mm ² |
| 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum | 1.5 mm ² |
| 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum | 1.5 mm ² |

Standards and Regulations

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| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---|

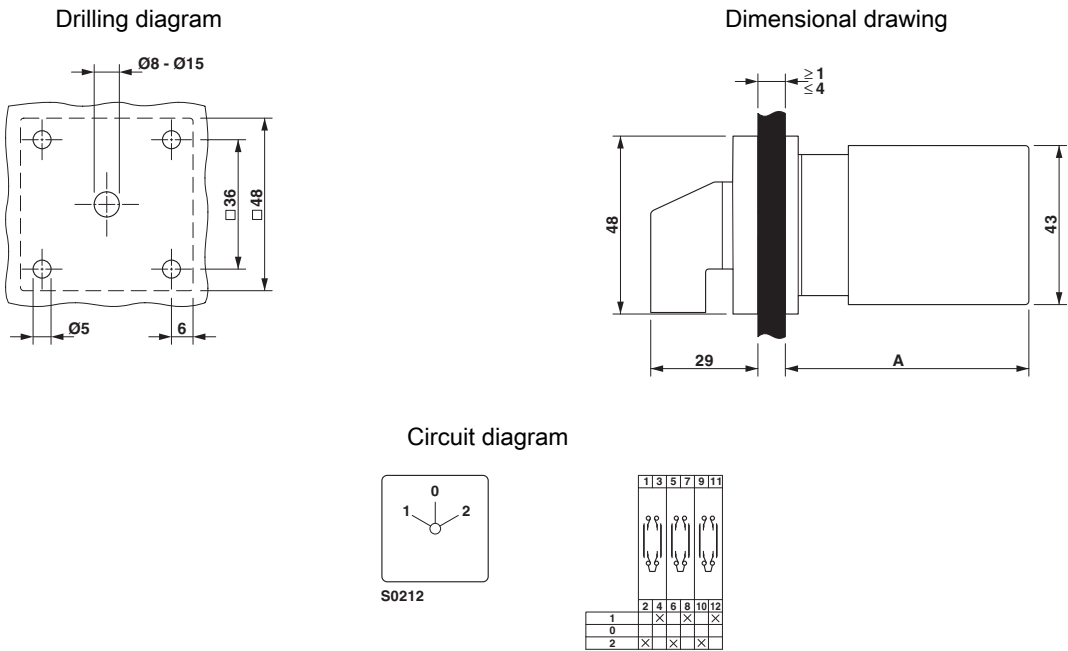
Changeover switch - RS20-US-S0212-0303-014H-001 - 3069712

Technical data

Environmental Product Compliance

| | |
|--|--|
| | No hazardous substances above threshold values |
|--|--|

Drawings



Approvals


Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals


Approval details


| | | | |
|---------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 357353 |
| mm²/AWG/kcmil | | 20-12 | |

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Approvals

| | |
|--------------------------------|-------|
| | |
| Nominal current I _N | 20 A |
| Nominal voltage U _N | 300 V |

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|--------------------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 357353 |
| | | | |
| mm²/AWG/kcmil | | 20-12 | |
| Nominal current I _N | | 20 A | |
| Nominal voltage U _N | | 300 V | |

| | | |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

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|--------------|---|
| cULus Listed |  |
|--------------|---|

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