



RELAIS

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NICE TO KNOW

HOW TO USE THIS CATALOGUE

Relays are remote-controlled electrical switches that are controlled by another switch, such as a horn switch or a computer as in a power train control module. Relays allow a low current flow circuit to control a higher current circuit.

Voltage spikes

When a relay is switched open, the magnetic field around the coil collapses, inducing a voltage into itself and creating a reverse polarity voltage spike of several hundred volts.

High-ohm resistors or diodes are used for this voltage suppression. The presence of a suppression diode or resistor is usually clearly marked on the relay itself.

Structure of the catalogue

The relays in this catalogue are split up into two chapters:

- 1 Relays
- 2 Flasher units

The chapter 'Relays' is arranged by the type of relays (see below).

The different types of relays are then classified according to below specifications:

- 1 Footprint
- 2 Wiring diagram
- 3 Voltage
- 4 Maximum switching current

All other specifications are placed in random order.

A yellow marking is shown if there is a diode, resistor, bracket or dust cover present.

The chapter 'Flasher units' is arranged according to the shape of the housing. Subsequently, the parts are organised according to voltage and the amount of pins.

RELAYS

Footprint and wiring diagram

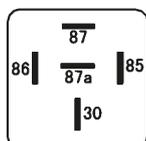
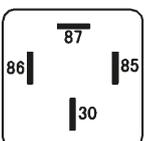
New in our catalogue is that the relays are arranged by footprint. Our footprints are represented as below example. The amount of pins and corresponding pin dimensions are also mentioned:



The wiring diagram is printed on the housing of the automotive relay. If you're not sure how to connect the relay, please contact your responsible contact person for technical assistance.

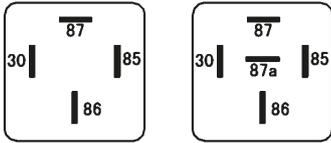
In most cases, the pins of automotive relays have specific codes:

| Terminal/Pin number | Connection |
|---------------------|--|
| 85 | Coil |
| 86 | Coil |
| 87 | Normally Open (NO) |
| 87a | Normally Closed (NC) - not present on 4-pin relays |
| 30 | Common connection to NO & NC terminals |



HOW TO USE THIS CATALOGUE

In some cases however, pins 86 and 30 have switched places compared to the normal pin layout, as you can see on below diagrams. In those cases, you will see a notification.



Symbols and contact forms

Please read our wiring diagrams as followed:

coil



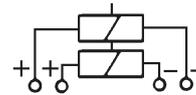
diode



resistor



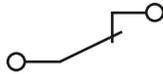
bistable relay



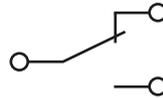
normally open
contact (NO)



normally closed
contact (NC)



change over
contact (CO)



Voltage

Voltages can occur in 2 different types:

- DC = Direct current
- AC = Alternating current

Maximum switching current

The maximum switching current is the maximum current that can be switched by the contacts. Contacts may burn if this current is exceeded.

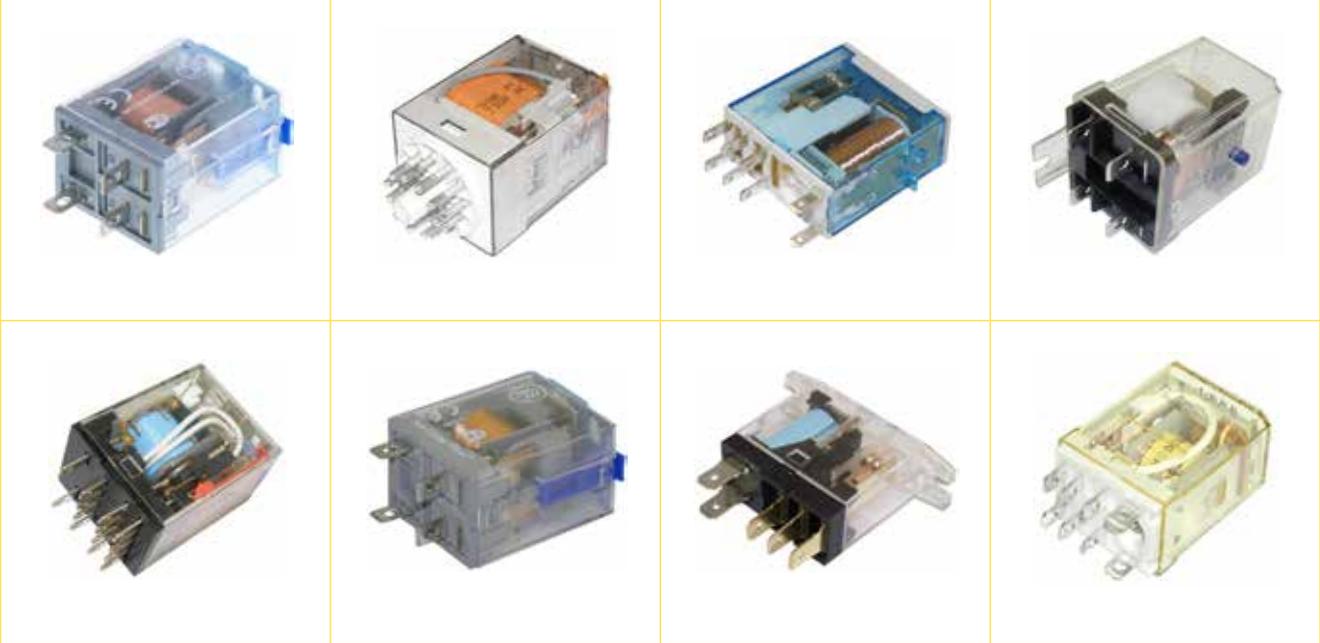
Types of relays

Automotive relays



HOW TO USE THIS CATALOGUE

Industrial relays



Horn relays



HOW TO USE THIS CATALOGUE

FLASHER UNITS

Function

A flasher unit controls the operation of the indicator lights or hazard lights using an indicator switch. Its main function is to let the lights blink.

There are two basic types of flasher units. One is operated by a piece of wire or a bimetallic strip that expands and contracts as it is heated by the current; the other is relay-operated by a transistor circuit.

The first type is easy to locate as it makes a clicking sound when it is operated. To check whether it is faulty, use a circuit tester or test lamp in the way described below.

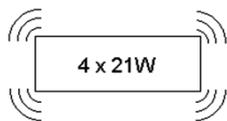
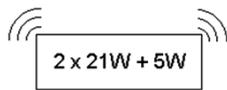
The transistor type produces no clicking sound, and cannot be checked with a circuit tester. It can be damaged by a short circuit.

The only way to determine if a transistor type is faulty is by eliminating all other components in the circuit.

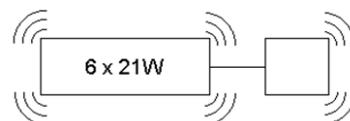
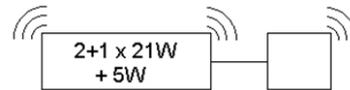
Specifications on the part

In this catalogue, the inscription on the flasher unit is mentioned. Each flasher unit has its own specifications. Please find the most common specifications below:

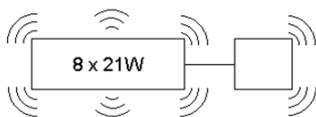
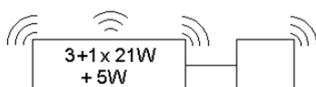
2(4) x 21W + 0...5W



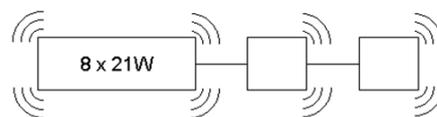
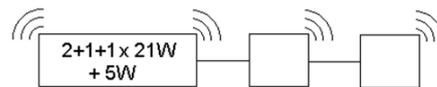
2+1(6) x 21W + 0...5W

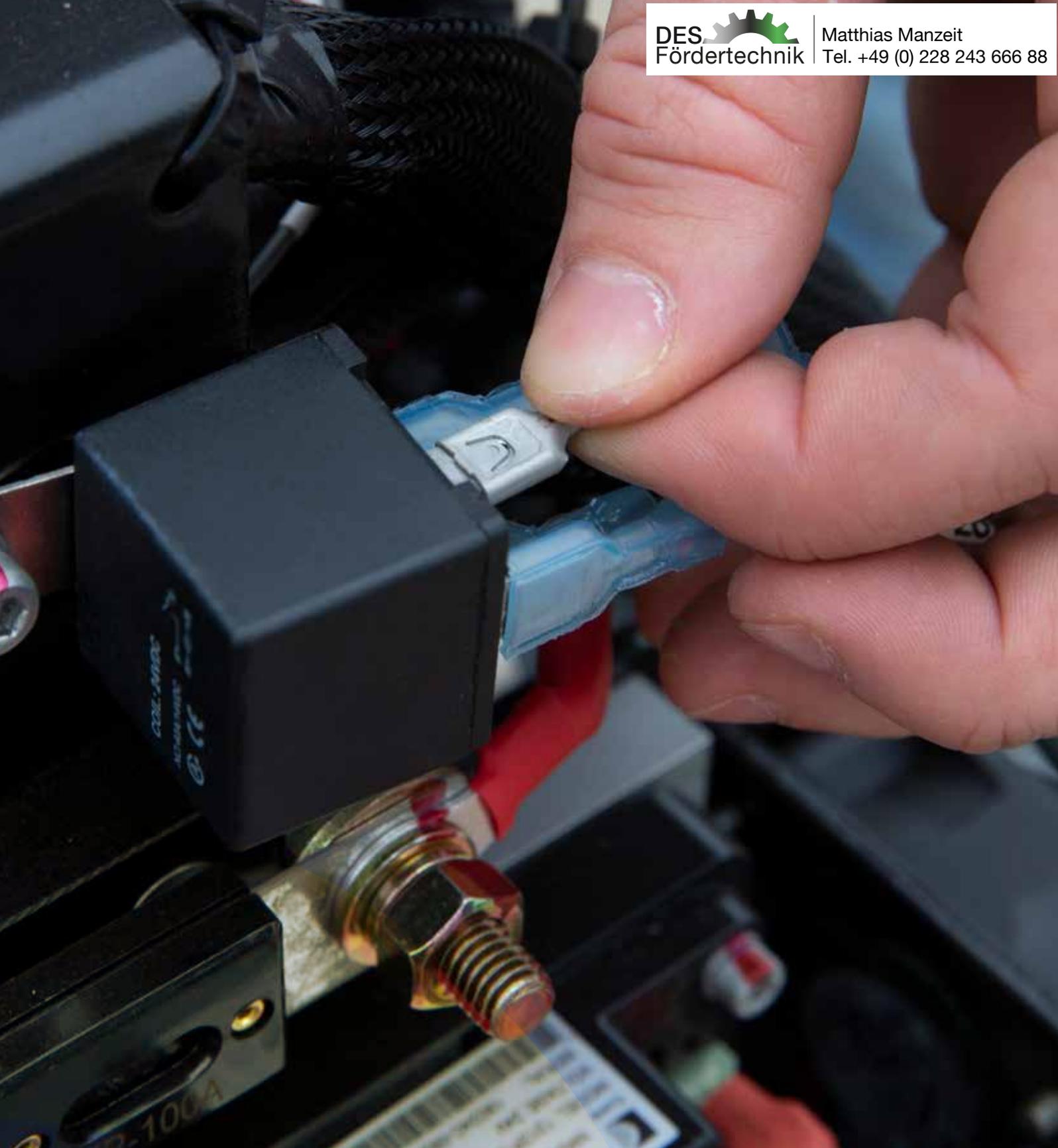


3+1(8) x 21W + 0...5W



2+1+1(8) x 21W + 0...5W

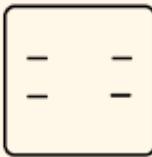
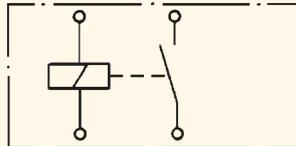
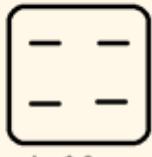
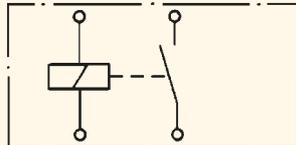
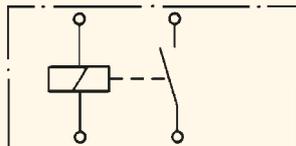


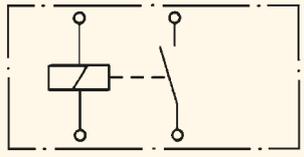
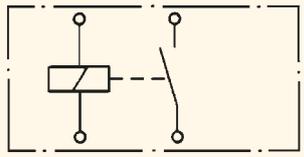
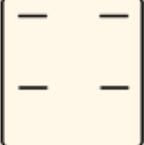
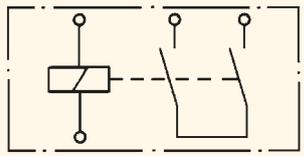


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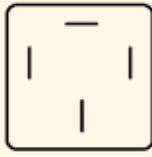
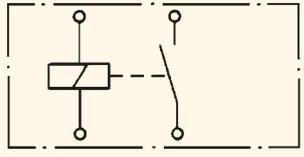
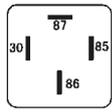
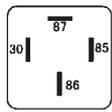
AUTOMOTIVE RELAYS

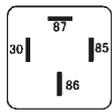
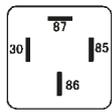
| AUTOMOTIVE RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  |  | | | | | | | | | |
|  | | 12 | DC | 30 | | ● | ● | ● | | 111TA5021 |
|  |  | | | | | | | | | |
|  | | 12 | DC | 20 | | | | | | 165TA2488 |
|  | | 24 | DC | 10 | | | | | | 165TA2489 |
|  |  | | | | | | | | | |
|  | | 12 | DC | 25 | | | | | | 116TA5657 |
|  | | 12 | DC | | | ● | | | | 165TA2492 |
|  | | 12 | DC | 30 | | | | | | 165TA2490 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|-----------|---|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 30 | | ● | | | | 129TA6736 |
|  | 12 | DC | 35 | | ● | | | | 165TA2491 |
|  | 24 | DC | 25 | | ● | | | | 165TA2493 |
|  2 x 4,8 mm 2 x 6,3 mm | |  | | | | | | | |
|  | 24 | DC | 30 | | | ● | | | 165TA2494 |
|  2 x 4,8 mm 2 x 6,3 mm | |  | | | | | | | |
|  | 12 | DC | 30 | | | ● | | | 122TA7917 |
|  4 x 4,8 mm | |  | | | | | | | |
|  | 48 | DC | 16 | ● | | | | | 124TA4682 |

RELAYS

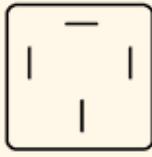
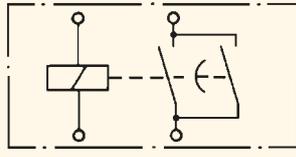
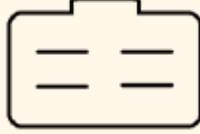
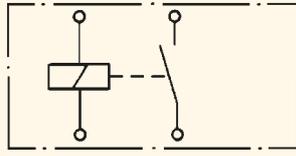
AUTOMOTIVE RELAYS

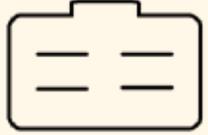
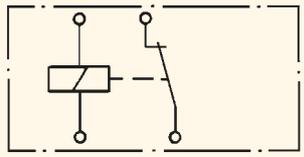
| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  4 x 5,3 mm | | | |  | | | | | |
|  | 12 | DC | 15 | | | ● | |  Fuse | 165TA2496 |
|  | 12 | DC | 20 | | | | ● | Not sealed | 111TA4979 |
|  | 12 | DC | 30 | | ● | | ● | Sealed | 165TA2501 |
|  | 12 | DC | 30 | | | ● | |  | 111TA4948 |
|  | 12 | DC | 40 | ● | | | | | 165TA2504 |
|  | 12 | DC | 40 | ● | | ● | | | 165TA2505 |
|  | 12 | DC | 40 | | ● | ● | | | 111TA5054 |
|  | 12 | DC | 40 | | ● | | | | 121TA1130 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|-----------|-------|------------|---|--|---------|------------|---|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 40 | | | ● | | | 107TA1626 |
|  | 12 | DC | 40 | | | | | | 165TA2497 |
|  | 24 | DC | 15 | | | ● | |  Fuse | 165TA2498 |
|  | 24 | DC | 20 | | | ● | | | 111TA5020 |
|  | 24 | DC | 20 | | | | |  | 129TA6676 |
|  | 24 | DC | 20 | | | | | | 165TA2500 |
|  | 24 | DC | 30 | | | ● | | Fuse | 165TA2499 |
|  | 24 | DC | 40 | | ● | ● | | | 165TA2503 |

RELAYS

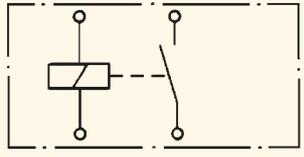
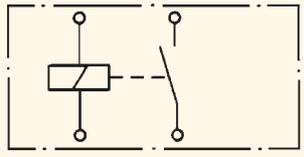
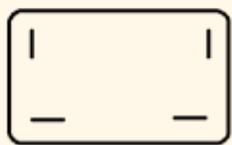
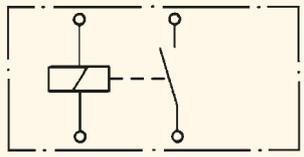
AUTOMOTIVE RELAYS

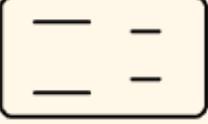
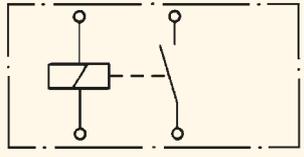
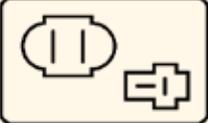
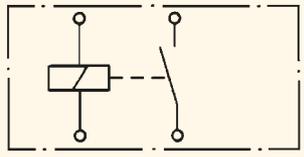
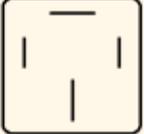
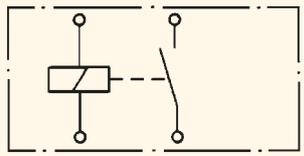
| AUTOMOTIVE RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  |  | | | | | | | | | |
| 4 x 6,3 mm | | | | | | | | | | |
|  | | 24 | DC | 70 | | | | | | 165TA2506 |
|  |  | | | | | | | | | |
| 4 x 6,3 mm | | | | | | | | | | |
|  | | 12 | DC | 20 | | ● | ● | ● | | 165TA2511 |
|  | | 12 | DC | 20 | ● | | ● | ● | | 125TA3368 |
|  | | 12 | DC | 22 | | | ● | ● | | 111TA4988 |
|  | | 12 | DC | 22 | | | | ● | | 165TA2508 |
|  | | 12 | DC | 30 | | | ● | ● | | 165TA2507 |
|  | | 12 | DC | 30 | ● | | ● | ● | | 165TA2512 |

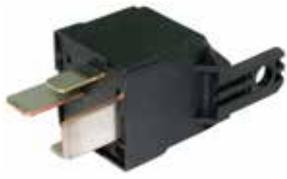
| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|-----------|---|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | | | | ● | ● | | 165TA2509 |
|  | 24 | DC | 10 | | | ● | ● | | 165TA2510 |
|  | 24 | DC | 20 | ● | | ● | ● | | 111TA4878 |
|  | 24 | DC | 30 | | | ● | ● | | 111TA5083 |
|  | 48 | DC | 10 | | | ● | ● | | 136TA8357 |
|  4 x 6,3 mm | |  | | | | | | | |
|  | 12 | DC | 20 | | | ● | ● | | 121TA1121 |
|  | 24 | DC | 20 | | | ● | ● | | 165TA2513 |
|  | 48 | DC | 20 | | | ● | ● | | 165TA2514 |

RELAYS

AUTOMOTIVE RELAYS

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  4 x 6,3 mm | | | | | | | | | |
|  | | | | | | | | | |
|  | 12 | DC | 20 | | | ● | ● | | 165TA2515 |
|  | 24 | DC | | | | | ● | | 112TA1158 |
|  4 x 6,3 mm | | | | | | | | | |
|  | | | | | | | | | |
|  | 12 | DC | 25 | | | ● | | | 111TA4933 |
|  | 24 | DC | 10 | | | | | | 111TA5030 |
|  4 x 6,3 mm | | | | | | | | | |
|  | | | | | | | | | |
|  | 24 | DC | 30 | | | | | | 165TA2519 |
|  | 240 | AC | 30 | | | | | | 165TA2518 |

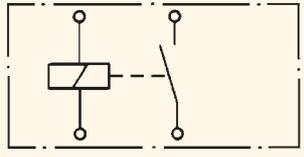
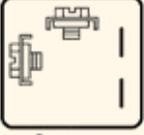
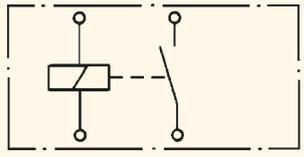
| AUTOMOTIVE RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|--|---|-------|---------------|--|---|---------|------------|--------------------|-----------|
|  2 x 8,0 mm 2 x 6,3 mm | |  | | | | | | | | |
|  | | 12 | DC | 30 | | | | ● | With centre pin | 124TA9227 |
|  | | 12 | DC | 30 | | | | ● | Without centre pin | 165TA2520 |
|  | | 12 | DC | | | | ● | ● | | 111TA5048 |
|  2 x 8,0 mm 2 x 6,3 mm | |  | | | | | | | | |
|  | | 12 | DC | | | | ● | ● | | 111TA4976 |
|  | | 24 | DC | | | | ● | ● | | 111TA4993 |
|  2 x 6,3 mm 2 x 9,5 mm | |  | | | | | | | | |
|  | | 12 | DC | 50 | | ● | | | | 165TA2525 |

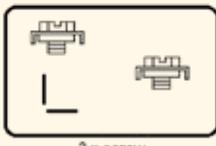
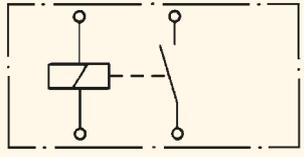
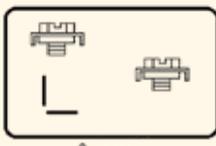
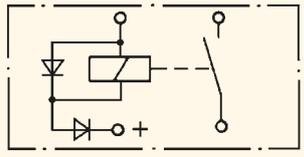
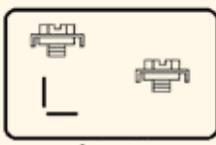
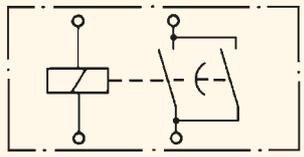
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|---|-----------|-------|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 50 | | ● | ● | | | 165TA2526 |
|  | 12 | DC | 70 | | | ● | | | 111TA4855 |
|  | 12 | DC | 70 | | | | | | 112TA1159 |
|  | 12 | DC | 70 | | ● | | | | 165TA2524 |
|  | 12 | DC | 70 | | ● | ● | | | 165TA2527 |
|  | 12 | DC | 70 | | ● | ● | ● | | 165TA2528 |
|  | 12 | DC | 70 | ● | | | | | 165TA2529 |
|  | 24 | DC | 40 | | ● | | | | 165TA2534 |
|  | 24 | DC | 40 | | ● | ● | | | 165TA2535 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|-----------|-------|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 40 | ● | | | | | 134TA9809 |
|  | 24 | DC | 50 | | | | | | 165TA2532 |
|  | 24 | DC | 50 | | | ● | | | 161TA5422 |
|  | 24 | DC | 70 | | | ● | | | 165TA2530 |
|  | 24 | DC | 70 | | | | | | 165TA2531 |
|  | 24 | DC | 70 | | ● | ● | | | 165TA2536 |
|  | 24 | DC | 70 | ● | | ● | | | 165TA2537 |
|  | 24 | DC | | | | ● | ● | | 165TA2533 |

RELAYS

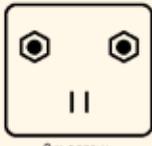
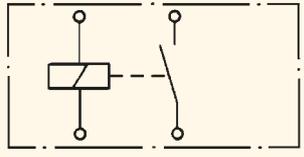
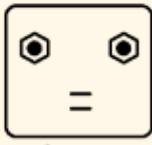
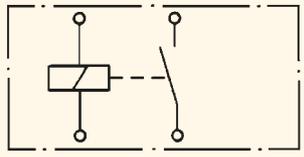
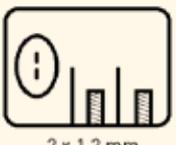
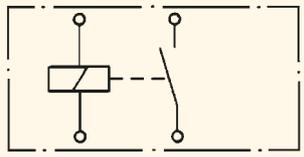
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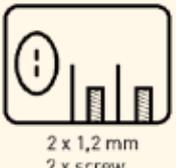
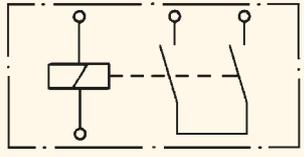
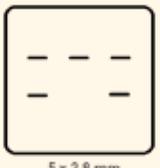
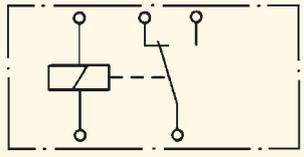
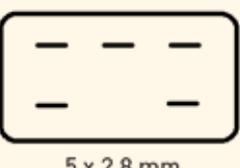
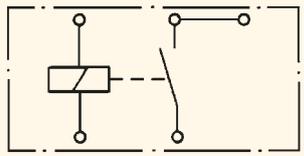
| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|   <p>2 x 6,3 mm 2 x 9,5 mm</p> | | | | | | | | | |
|  | 12 | DC | | | | ● | ● | | 165TA2538 |
|  | 24 | DC | | | | | ● | | 165TA2539 |
|   <p>2 x screw 2 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 60 | | | ● | | | 165TA2541 |
|  | 12 | DC | 60 | | | ● | | | 165TA2542 |
|  | 24 | DC | 40 | | | ● | | | 125TA4573 |
|  | 24 | DC | 40 | | | ● | | | 165TA2540 |

| AUTOMOTIVE RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|--|----|---|-------|---------------|--|---|---------|------------|--------------|-----------|
|  2 x screw 2 x 6,3 mm | |  | | | | | | | | |
|  | 12 | DC | 75 | | | | ● | | | 165TA2544 |
|  | 24 | DC | 50 | | | | ● | | | 165TA2543 |
|  2 x screw 2 x 6,3 mm | |  | | | | | | | | |
|  | 12 | DC | 75 | | | | ● | | | 111TA5028 |
|  | 24 | DC | 50 | | | | ● | | | 124TA4689 |
|  2 x screw 2 x 6,3 mm | |  | | | | | | | | |
|  | 12 | DC | 75 | | | | ● | | Intermittent | 165TA2545 |
|  | 12 | DC | 75 | | | | ● | | Continuous | 111TA5010 |

RELAYS

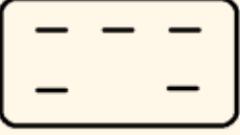
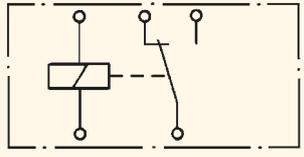
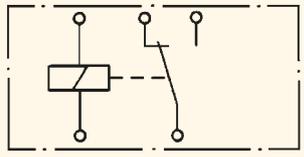
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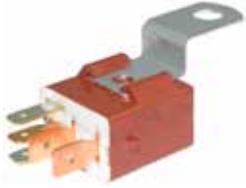
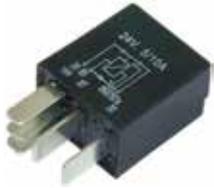
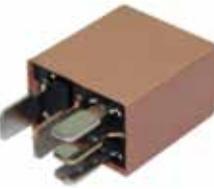
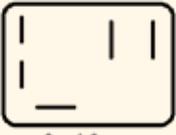
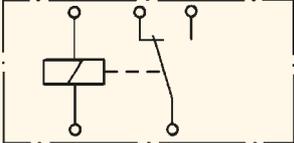
| AUTOMOTIVE RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|--|----|---|-------|---------------|--|---|---------|------------|-------------------|-----------|
|  2 x screw 2 x 6,3 mm | |  | | | | | | | | |
|  | 12 | DC | 100 | | | | ● | | | 165TA2547 |
|  | 12 | DC | 200 | | | | ● | | | 165TA2546 |
|  | 24 | DC | 60 | | | | ● | | | 129TA6764 |
|  2 x screw 2 x 6,3 mm | |  | | | | | | | | |
|  | 24 | DC | 100 | | | | ● | | | 131TA2667 |
|  2 x 1,2 mm 2 x screw | |  | | | | | | | | |
|  | 12 | DC | 130 | | | ● | ● | ● | IP54 (not sealed) | 165TA2548 |
|  | 12 | DC | 130 | | | ● | ● | ● | IP67 (sealed) | 165TA2549 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-------------------|------------------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|   | | | | | | | | | |
|  | 24 | DC | 130 | | ● | ● | ● | IP54 (not sealed) | 155TA2135 |
|  | 24 | DC | 130 | | ● | ● | ● | IP67 (sealed) | 165TA2550 |
|   | | | | | | | | | |
|  | 12 | DC | 35/20 | | ● | | | | 165TA2551 |
|  | 12 | DC | 40/30 | | | ● | ● | | 134TA9835 |
|  | 12 | DC | 50/30 | | ● | | | | 165TA2552 |
|   | | | | | | | | | |
|  | 24 | DC | 35/20 | | ● | | | | 165TA2554 |

RELAYS

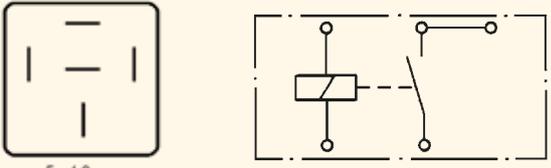
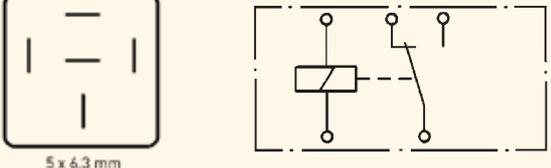
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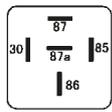
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|---|----|---|-------|---------------|--|---|---------|------------|---------|-----------|
|  5 x 2,8 mm | |  | | | | | | | | |
|  | 12 | DC | 20/10 | | ● | | | | | 165TA2555 |
|  | 12 | DC | 35/20 | | ● | | | | | 152TA5566 |
|  | 24 | DC | 15/10 | ● | | | | | | 165TA2556 |
|  2 x 6,3 mm 3 x 4,8 mm | |  | | | | | | | | |
|  | 12 | DC | 25/20 | | | | | | | 165TA2557 |
|  | 12 | DC | 25/20 | | ● | | | | | 116TA5658 |
|  | 12 | DC | 25/20 | ● | | | | | | 165TA2559 |
|  | 12 | DC | 35/20 | | ● | | | | | 124TA4702 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|--|-----------|-------|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | | | | ● | | | 165TA2558 |
|  | 24 | DC | 10/5 | ● | | | | | 116TA5663 |
|  | 24 | DC | 20/10 | | | | | | 124TA9225 |
|  | 24 | DC | 25/20 | | | | | | 165TA2560 |
|  | 24 | DC | 30/20 | | ● | | | | 165TA2562 |
|  | 24 | DC | | | | ● | | | 165TA2561 |
|   <p>2 x 4,8 mm 3 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 20/10 | | | ● | | | 165TA2563 |
|  | 24 | DC | 20/10 | | | ● | | | 165TA2565 |

RELAYS

AUTOMOTIVE RELAYS

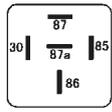
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| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 48 | DC | 20/10 | | | ● | | | 165TA2564 |
|  <p>5 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 40 | | | | | | 106TA1305 |
|  | 12 | DC | 40 | | | ● | | | 136TA8356 |
|  | 12 | DC | 40 | ● | | ● | | | 165TA2575 |
|  | 24 | DC | 40 | | | ● | | | 107TA1625 |
|  <p>5 x 6,3 mm</p> | | | | | | | | | |
|  | 6 | DC | 30/20 | | | ● | | | 165TA2589 |
|  | 12 | DC | 30/20 | | ● | ● | | | 165TA2592 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 30/20 | | | ● | | | 165TA2580 |
|  | 12 | DC | 30/20 | | | ● | ● | | 165TA2581 |
|  | 12 | DC | 30/20 | | | ● | ● | | 165TA2582 |
|  | 12 | DC | 35/20 | | ● | ● | | | 165TA2591 |
|  | 12 | DC | 40/15 | | | ● | |  | 151TA2322 |
|  | 12 | DC | 40/30 | ● | | ● | | | 165TA2596 |
|  | 12 | DC | 40/30 | ● | | | | | 116TA5661 |
|  | 12 | DC | 40/30 | | ● | ● | ● | | 111TA5022 |
|  | 12 | DC | 40/30 | | ● | | | | 165TA2590 |

RELAYS

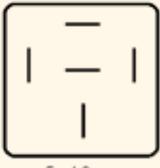
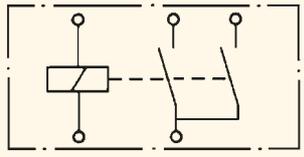
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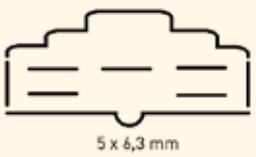
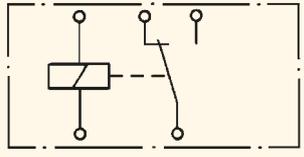
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|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 40/30 | | ● | | | | 136TA8355 |
|  | 12 | DC | 40/30 | | ● | ● | ● | | 165TA2593 |
|  | 12 | DC | 40/30 | | | ● | ● | | 165TA2578 |
|  | 12 | DC | 40/30 | | | | | | 106TA2681 |
|  | 12 | DC | 40/30 | | | ● | | | 106TA2682 |
|  | 12 | DC | 40/30 | | | ● | ● | | 165TA2583 |
|  | 12 | DC | | | | | ● | | 165TA2579 |
|  | 24 | DC | 20/10 | | | ● | ● | | 165TA2584 |
|  | 24 | DC | 20/10 | ● | | | | | 165TA2597 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 22/10 | | | ● | |  | 165TA2585 |
|  | 24 | DC | 20/15 | | ● | ● | | | 121TA1117 |
|  | 24 | DC | 30/20 | | ● | | | | 165TA2830 |
|  | 24 | DC | 30/20 | | ● | ● | ● | | 165TA2595 |
|  | 24 | DC | 40/30 | ● | | | | | 155TA1911 |
|  | 24 | DC | 40/30 | | ● | | | | 165TA2594 |
|  | 24 | DC | 40/30 | | | | | | 131TA2695 |
|  | 24 | DC | 40/30 | | | ● | ● | | 165TA2586 |
|  | 24 | DC | 40/30 | ● | | ● | | | 124TA4675 |

RELAYS

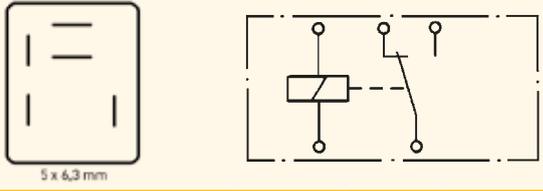
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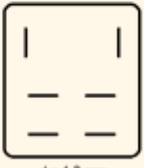
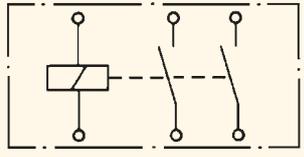
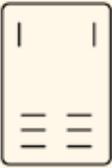
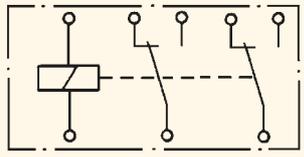
| AUTOMOTIVE RELAYS | | | | | | | | | |
|--|--------------|--|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 36 | DC | 40/30 | ● | | | | | 129TA6655 |
|  | 48 | DC | 50/40 | | | | | | 165TA2587 |
|  | 48 | DC | 50/40 | | | ● | | | 165TA2588 |
|  5 x 6,3 mm | |  | | | | | | | |
|  | 12 | DC | 15 | | | | | | 165TA2599 |
|  | 12 | DC | 20 | | | ● | | | 165TA2598 |
|  | 24 | DC | 10 | | | ● | | | 165TA2600 |
|  | 24 | DC | 40/20 | | | ● | | | 165TA2602 |
|  | 24 | DC | 50/30 | | | ● | | | 165TA2601 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|---|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  5 x 6,3 mm | |  | | | | | | | |
|  | 12 | DC | 10 | | | ● | ● | | 165TA2603 |
|  | 12 | DC | 20 | | | | ● | | 165TA2604 |
|  | 12 | DC | 20 | | | ● | ● | | 165TA2605 |
|  | 12 | DC | 20 | | | ● | ● | | 121TA1133 |
|  | 12 | DC | 20 | | ● | ● | ● | | 165TA2609 |
|  | 12 | DC | 30 | | | | ● | | 111TA5082 |
|  | 24 | DC | 20 | | | ● | ● | | 165TA2607 |
|  | 24 | DC | | | | ● | ● | | 165TA2606 |

RELAYS

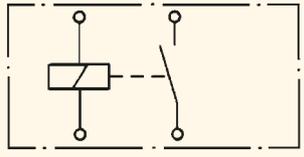
AUTOMOTIVE RELAYS

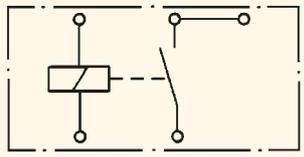
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|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 48 | DC | 20 | | | ● | ● | | 165TA2608 |
|  | 48 | DC | 20 | ● | | ● | ● | | 165TA2610 |
|  <p>5 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 20 | | | | ● | | 165TA2612 |
|  | 12 | DC | | | | ● | ● | | 121TA1128 |
|  | 24 | DC | 20 | | | ● | | | 165TA2613 |
|  | 24 | DC | 20 | | | ● | ● | | 134TA9799 |
|  | 24 | DC | | | | ● | | | 165TA2614 |
|  | 24 | DC | | | | | ● | | 124TA4681 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  6 x 6,3 mm  | | | | | | | | | |
|  | 12 | DC | 20 | | | | | | 165TA2616 |
|  | 12 | DC | 20 | | | | ● | | 165TA2617 |
|  | 24 | DC | 20 | ● | | | | | 165TA2619 |
|  8 x 6,3 mm  | | | | | | | | | |
|  | 12 | DC | 30/3 | | | ● | | | 165TA2646 |
|  | 24 | DC | 30/3 | | | ● | | Sealed | 122TA7919 |
|  | 24 | DC | 30/3 | | | ● | | Not sealed | 165TA2648 |
|  | 24 | DC | 30/10 | | | ● | | | 165TA2647 |

RELAYS

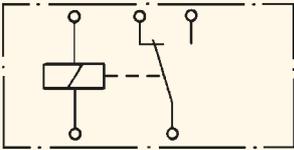
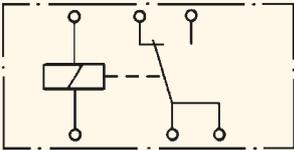
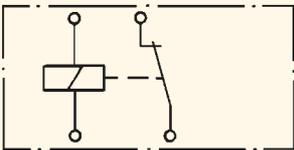
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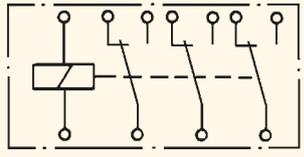
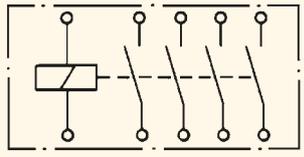
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|---|--------------|-------|---------------|--|---|---------|------------|------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 30/10 | | | ● | | 35 mm DIN rail bracket | 165TA2649 |
|  | | | | | | | | | |
|  | 12 | DC | 200 | | | ● | | | 145TA2408 |
|  | 12 | DC | | | | ● | | | 111TA4977 |
|  | 12 | DC | | | | ● | | | 165TA2657 |
|  | 12 | DC | | | | ● | | | 165TA2659 |
|  | 12 | DC | | | | ● | | | 131TA2670 |
|  | 12 | DC | | | | ● | | | 165TA2661 |
|  | 12 | DC | | | | ● | | | 111TA5069 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|-----------|-------|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | | | | ● | | | 165TA2663 |
|  | 24 | DC | 100 | | | ● | | | 165TA2660 |
|  | 24 | DC | | | | ● | | | 111TA4997 |
|  | 24 | DC | | | | ● | | | 111TA5074 |
|  | 24 | DC | | | | ● | | | 165TA2658 |
|  | 24 | DC | | | | ● | | | 165TA2662 |
|  | | | | | | | | | |
|  | 24 | DC | | | | | | | 165TA2664 |

RELAYS

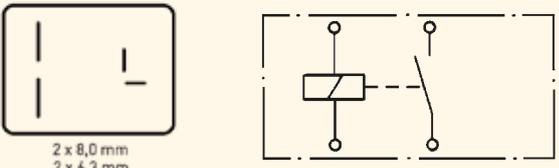
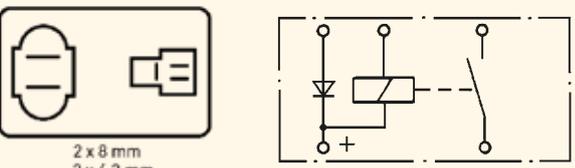
AUTOMOTIVE RELAYS

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | | | | | | | | | |
|  | 12 | DC | 40 | | | ● | | | 165TA2665 |
|  | | | | | | | | | |
|  | 12 | DC | 20 | | | ● | | | 165TA2666 |
|  | | | | | | | | | |
|  | 6 | DC | | | | ● | | | 165TA2667 |
|  | 12 | DC | 15 | | | | ● | | 111TA4946 |
|  | 12 | DC | | | | ● | | | 111TA4957 |
|  | 24 | DC | 10 | | | ● | | | 111TA5046 |

| AUTOMOTIVE RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | | | | ● | | | 111TA4874 |
|  | | | | | | | | | |
|  | 80 | DC | | | | | | | 165TA2668 |
|  | | | | | | | | | |
|  | 24 | DC | 2 | | | | | | 165TA2669 |

RELAYS

GLOW PLUG RELAYS

| GLOW PLUG RELAYS | | | | | | | | | |
|--|--------------|-------|---------------|--|---|---------|------------|--------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  <p>2 x 8,0 mm 2 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 30 | | | ● | | 3 mm bracket | 165TA2521 |
|  | 12 | DC | 30 | | | ● | | 5 mm bracket | 165TA2522 |
|  | 12 | DC | | | | ● | | | 111TA5085 |
|  | 24 | DC | 35 | | | ● | | 3 mm bracket | 111TA5066 |
|  | 24 | DC | | | | ● | | 5 mm bracket | 165TA2523 |
|  <p>2 x 8 mm 2 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | | | | | ● | Sealed | 111TA4974 |
|  | 12 | DC | | | | | ● | Not sealed | 111TA5058 |

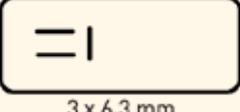
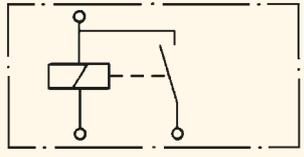
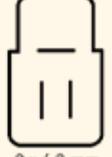
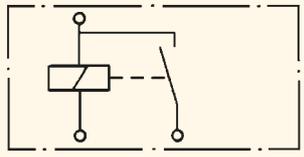
GLOW PLUG RELAYS

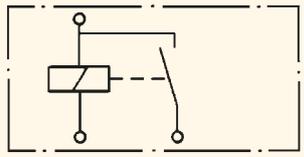
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  | 24 | DC | | | | | ● | | 111TA5065 |

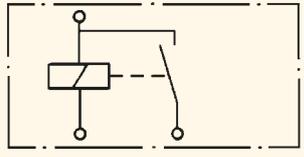
GLOW PLUG RELAYS

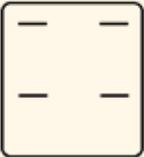
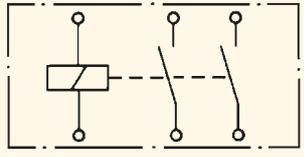
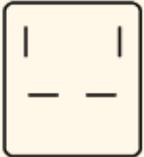
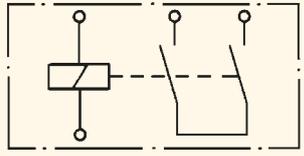
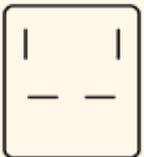
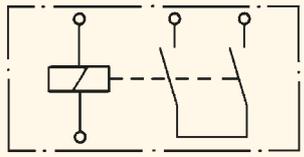
RELAYS

HORN RELAYS

| HORN RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  3 x 6,3 mm |  | | | | | | | | | |
|  | | 12 | DC | 15 | | | ● | | | 111TA4920 |
|  | | 24 | DC | 8 | | | ● | | | 165TA2482 |
|  | | 48 | DC | 2 | | | ● | | | 111TA5002 |
|  3 x 6,3 mm |  | | | | | | | | | |
|  | | 12 | DC | 15 | | | | ● | | 111TA4938 |
|  | | 12 | DC | 15 | | | | ● | | 111TA4960 |
|  | | 12 | DC | 15 | | | | ● | | 111TA5076 |
|  | | 12 | DC | | | | | ● | | 165TA2483 |

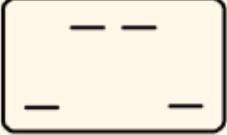
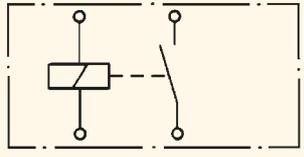
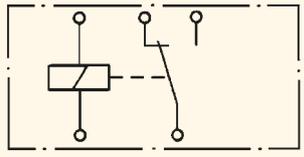
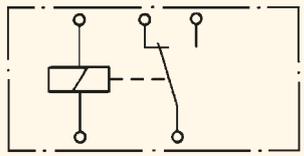
| HORN RELAYS | | | | | | | | | |
|--|-----------|-------|------------|---|--|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 8 | | | | ● | | 124TA4679 |
|  | 24 | DC | 8 | | | | ● | | 165TA2485 |
|  | 24 | DC | | | | | ● | | 165TA2484 |
|  | 48 | DC | 2 | | | ● | ● | | 165TA2486 |
|  | 48 | DC | 2 | | | ● | ● | | 124TA4683 |
|   <p>3 x screw</p> | | | | | | | | | |
|  | 12 | DC | | | | ● | | | 165TA2487 |
|  | 24 | DC | | | | ● | | | 111TA4942 |

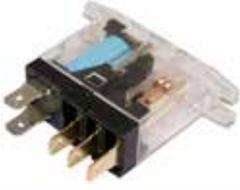
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|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | | | | | | | | | |
|  | 12 | DC | | | | ● | | | 165TA2656 |

| INDUSTRIAL RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|-------------|-----------|
|  |  | | | | | | | | | |
|  | | 48 | DC | 30 | | | ● | | | 135TA3507 |
|  |  | | | | | | | | | |
|  | | 24 | DC | 10 | ● | | | | Test button | 165TA2495 |
|  | | 24 | DC | 10 | | | | | Test button | 116TA5667 |
|  |  | | | | | | | | | |
|  | | 24 | DC | 30 | | | ● | | | 165TA2516 |
|  | | 230 | AC | 30 | | | ● | | | 165TA2517 |

RELAYS

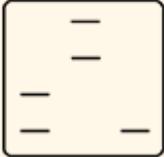
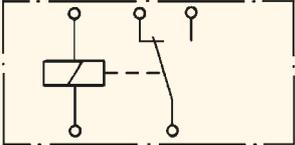
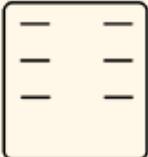
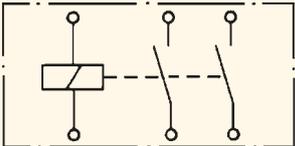
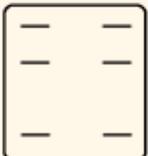
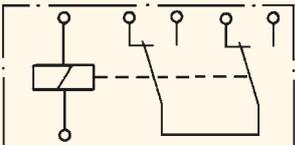
INDUSTRIAL RELAYS

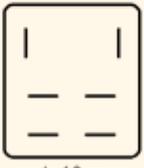
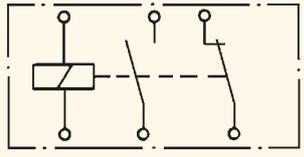
| INDUSTRIAL RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|--|--|---|-------|---------------|--|---|---------|------------|---------------|-----------|
|  4 x 6,3 mm | |  | | | | | | | | |
|  | | 48 | DC | 30 | | | ● | | | 111TA4900 |
|  | | 48 | DC | 30 | | | | | | 116TA5672 |
|  2 x 2,8 mm 3 x 4,8 mm | |  | | | | | | | | |
|  | | 12 | DC | 10 | | | | | | 165TA2553 |
|  | | 24 | DC | 10 | | | | | | 161TA1496 |
|  | | 48 | DC | 10 | | | | | | 124TA8980 |
|  5 x 4,8 mm | |  | | | | | | | | |
|  | | 12 | DC | 10 | ● | | | | LED indicator | 165TA2567 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 16 | | | | | Test button + LED indicator | 165TA2566 |
|  | 24 | AC | 10 | | | | | LED indicator | 124TA4687 |
|  | 24 | DC | 10 | ● | | | | LED indicator | 165TA2571 |
|  | 24 | DC | 10 | | | ● | | | 165TA2570 |
|  | 24 | DC | 10 | | | | | LED indicator | 165TA2572 |
|  | 24 | DC | 10 | | | | | | 165TA2569 |
|  | 48 | DC | 10 | | | ● | | | 165TA2573 |
|  | 48 | DC | 10 | | | | | | 124TA8989 |
|  | 230 | AC | 16 | | | | | Test button | 165TA2568 |

RELAYS

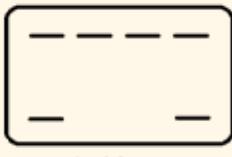
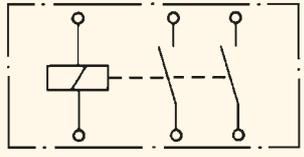
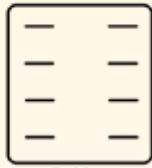
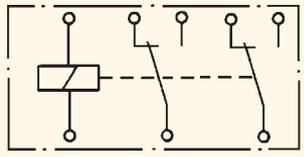
INDUSTRIAL RELAYS

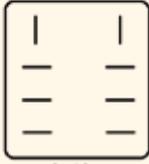
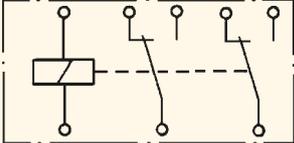
| INDUSTRIAL RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  |  | | | | | | | | | |
| | 5 x 4,8 mm | | | | | | | | | |
|  | 12 | DC | 10 | | | | ● | | | 122TA7898 |
|  | 24 | DC | 10 | | | | ● | | | 165TA2574 |
|  |  | | | | | | | | | |
| | 6 x 4,8 mm | | | | | | | | | |
|  | 12 | DC | 15 | | | | ● | | | 128TA3022 |
|  | 36 | DC | 15 | | | | ● | | | 131TA2685 |
|  | 80 | DC | 16 | | | | | | | 165TA2615 |
|  |  | | | | | | | | | |
| | 6 x 4,8 mm | | | | | | | | | |
|  | 36 | DC | 30 | | | | ● | | | 124TA4677 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 80 | DC | 30 | | | ● | | Test button | 135TA3508 |
|   <p>6 x 6,3 mm</p> | | | | | | | | | |
|  | 12 | DC | 20 | | | ● | | | 129TA6737 |
|  | 24 | DC | 20 | | | ● | | | 134TA9838 |
|  | 36 | DC | 20 | | | ● | | | 124TA4692 |
|  | 48 | DC | 20 | | | ● | | | 165TA2620 |
|  | 60 | DC | 20 | | | ● | | | 165TA2621 |
|  | 110 | DC | 20 | | | ● | | | 165TA2622 |

RELAYS

INDUSTRIAL RELAYS

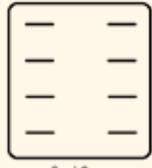
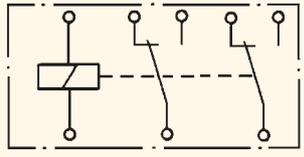
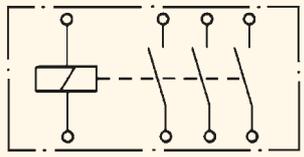
| INDUSTRIAL RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|--|--------------|-------|---------------|--|---|---------|------------|------------------------------|-----------|
|  6 x 6,3 mm  | | | | | | | | | | |
|  | | 24 | DC | 25 | | | | | | 165TA2623 |
|  | | 48 | DC | 25 | | | | | | 124TA9228 |
|  | | 240 | AC | 25 | | | | | | 165TA2624 |
|  8 x 4,8 mm  | | | | | | | | | | |
|  | | 6 | DC | 10 | | | ● | | | 121TA1127 |
|  | | 12 | DC | 10 | | | | | Impulse relay (bi-stable) | 122TA7899 |
|  | | 12 | DC | 10 | | | | | | 164TA7502 |
|  | | 24 | DC | 10 | | | ● | | | 165TA2635 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|--------------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 16 | | | | | Test button | 164TA7500 |
|  | 36 | DC | 10 | | | | | | 129TA6516 |
|  | 36 | DC | 15 | | | ● | | | 140TA6598 |
|  | 36 | DC | 15 | | | | | Test button | 111TA4987 |
|  | 80 | DC | 16 | | | | | LED indicator Test button | 111TA5003 |
|  | 120 | AC | 10 | | | | | | 122TA7895 |
|   | | | | | | | | | |
|  | 12 | DC | 10 | | | ● | | | 164TA7499 |
|  | 12 | DC | 10 | | | | | Test button + LED indicator | 165TA2642 |

RELAYS

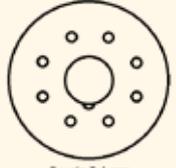
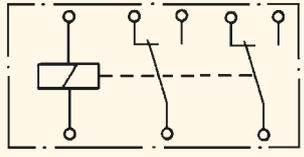
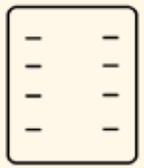
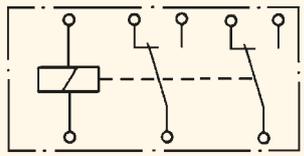
INDUSTRIAL RELAYS

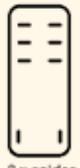
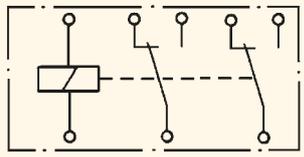
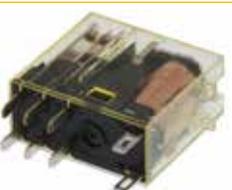
| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 10 | | | | | | 128TA3014 |
|  | 24 | DC | 10 | ● | | | | Test button | 165TA2641 |
|  | 24 | DC | 10 | | | ● | | | 139TA5073 |
|  | 24 | DC | 10 | | | | | Test button + LED indicator | 165TA2644 |
|  | 24 | DC | 10 | | | | | | 165TA2637 |
|  | 48 | DC | 10 | | | ● | | | 165TA2640 |
|  | 48 | DC | 10 | | | | | | 165TA2639 |
|  | 230 | AC | 10 | | | ● | | | 165TA2638 |
|  | 230 | AC | 10 | | | | | Test button + LED indicator | 165TA2643 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|------------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 230 | AC | 10 | | | | | | 165TA2636 |
|   | | | | | | | | | |
|  | 12 | DC | 16 | | | ● | | | 111TA4904 |
|  | 24 | DC | 16 | | | ● | | | 124TA4695 |
|  | 48 | DC | 16 | | | ● | | | 129TA6530 |
|  | 80 | DC | 16 | | | ● | | | 165TA2645 |
|   | | | | | | | | | |
|  | 24 | DC | 16 | | | ● | | 35 mm DIN rail bracket | 165TA2651 |
|  | 24 | DC | 16 | | | | | | 165TA2650 |

RELAYS

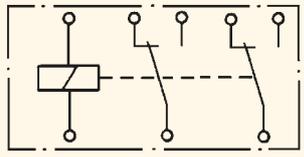
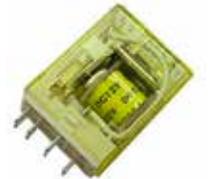
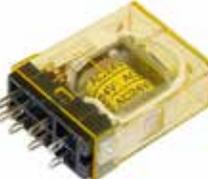
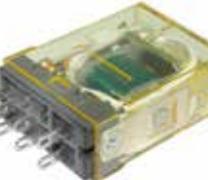
INDUSTRIAL RELAYS

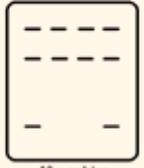
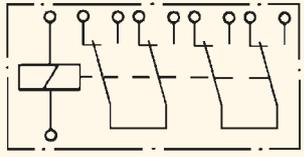
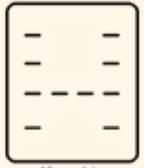
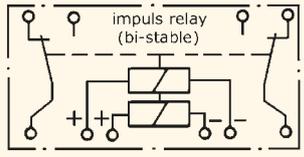
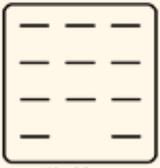
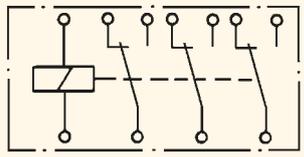
| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|   <p>8 x pin 2,4 mm</p> | | | | | | | | | |
|  | 12 | DC | 10 | | | | | Test button | 111TA5008 |
|  | 12 | DC | 10 | | | | | | 165TA2652 |
|  | 24 | DC | 10 | | | | | Test button + LED indicator | 165TA2654 |
|  | 36 | DC | 10 | | | | | Test button | 111TA3262 |
|  | 48 | DC | 10 | | | | | Test button | 165TA2655 |
|  | 230 | AC | 10 | | | | | Test button | 165TA2653 |
|   <p>8 x solder</p> | | | | | | | | | |
|  | 12 | DC | 10 | | | | | | 165TA2625 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|---|-----------|-------|------------|---|--|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 10 | | | | | Test button | 129TA6575 |
|  | 24 | DC | 10 | | | | | Test button + LED indicator | 129TA6733 |
|  | 24 | DC | 10 | | | | | | 165TA2627 |
|  | 24 | DC | 12 | | | | | Test button | 165TA2626 |
|  | 48 | DC | 10 | | | | | | 165TA2628 |
|  | 120 | AC | 10 | | | | | LED indicator | 165TA2629 |
|   | | | | | | | | | |
|  | 12 | DC | 5 | | | | | LED indicator | 165TA2631 |
|  | 24 | DC | 5 | | | | | LED indicator | 129TA6702 |

RELAYS

INDUSTRIAL RELAYS

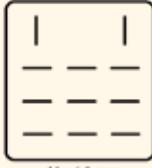
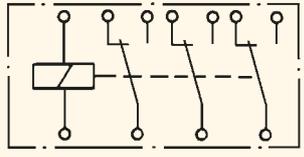
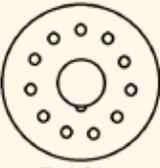
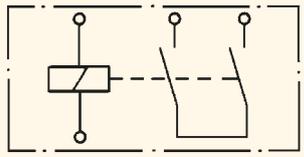
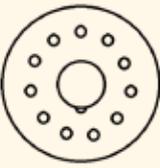
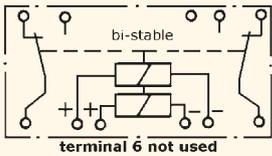
| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|------------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 24 | DC | 5 | | | | | LED indicator | 121TA1126 |
|  | 24 | DC | 8 | | | | | Test button | 129TA6773 |
|  | 48 | DC | 5 | | | | | LED indicator Test button | 165TA2632 |
|  | 48 | DC | 8 | | | | | | 165TA2630 |
|   | | | | | | | | | |
|  | 12 | DC | 3 | | | | | | 124TA4693 |
|  | 24 | AC | 3 | | | | | | 165TA2633 |
|  | 24 | DC | 3 | | | | | | 165TA2634 |

| INDUSTRIAL RELAYS | | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|---|---|--------------|-------|---------------|--|---|---------|------------|---------|-----------|
|  |  | | | | | | | | | |
| 10 x solder | | | | | | | | | | |
|  | | 12 | DC | 4 | | | | | | 165TA2446 |
|  | | 80 | DC | | | | | | | 165TA2447 |
|  |  | | | | | | | | | |
| 10 x solder | | | | | | | | | | |
|  | | 12 | DC | 3 | | | | | | 129TA6752 |
|  | | 24 | DC | 3 | | | | | | 165TA2448 |
|  |  | | | | | | | | | |
| 11 x 4,8 mm | | | | | | | | | | |
|  | | 6 | DC | 10 | | | | | | 111TA4922 |
|  | | 12 | DC | 10 | | | ● | | | 165TA2452 |

RELAYS

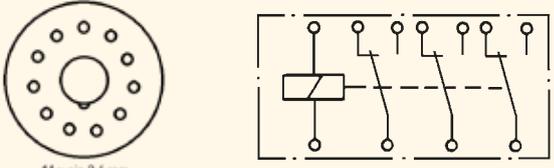
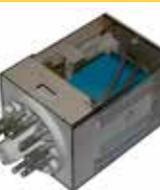
INDUSTRIAL RELAYS

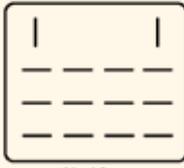
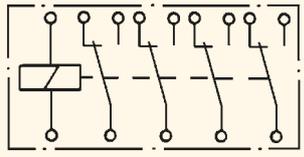
| INDUSTRIAL RELAYS | | | | | | | | | |
|---|--------------|-------|---------------|--|---|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 12 | DC | 10 | | | | | | 121TA1131 |
|  | 24 | DC | 10 | | | ● | | | 111TA5024 |
|  | 24 | DC | 15 | | | | | | 165TA2453 |
|  | 24 | DC | 16 | | | | | Test button + LED indicator | 121TA1124 |
|  | 36 | DC | 5 | | | | | | 122TA7907 |
|  | 36 | DC | 10 | | | ● | | | 165TA2454 |
|  | 48 | DC | 16 | | | | | | 165TA2455 |
|  | 240 | AC | 10 | | | ● | | | 124TA4701 |

| INDUSTRIAL RELAYS | | | | | | | | | |
|--|--------------|-------|---------------|--|---|---------|------------|---------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|   <p>11 x 4,8 mm</p> | | | | | | | | | |
|  | 12 | DC | 10 | | | ● | | | 125TA3370 |
|  | 12 | DC | 10 | | | | | LED indicator | 165TA2457 |
|  | 24 | DC | 10 | | | ● | | | 165TA2456 |
|  | 24 | DC | 10 | | | | | | 165TA2458 |
|   <p>11 x pin 2,4 mm</p> | | | | | | | | | |
|  | 48 | DC | 10 | | | | | Test button | 165TA2459 |
|   <p>11 x pin 2,4 mm</p> <p>bi-stable</p> <p>terminal 6 not used</p> | | | | | | | | | |
|  | 24 | DC | 10 | | | | | Test button | 165TA2461 |

RELAYS

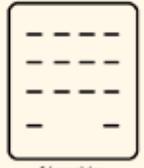
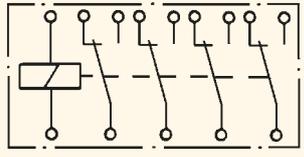
INDUSTRIAL RELAYS

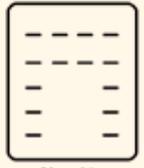
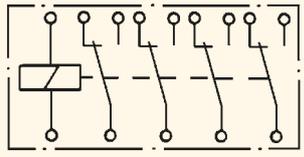
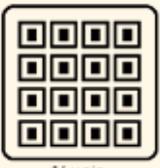
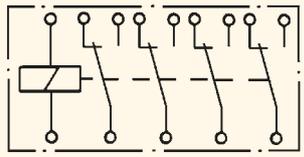
| INDUSTRIAL RELAYS | | | | | | | | | | |
|--|--------------|-------|---------------|--|---|---------|------------|-----------------------------|------------------|--|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF | |
|  <p>11 x pin 2,4 mm</p> | | | | | | | | | | |
|  | 6 | DC | 10 | | | | | Test button | 111TA4932 | |
|  | 12 | DC | 10 | | | | | Test button | 121TA1123 | |
|  | 24 | DC | 10 | ● | | | | Test button + LED indicator | 124TA8985 | |
|  | 24 | DC | 10 | | | | | Test button | 165TA2462 | |
|  | 48 | DC | 10 | ● | | | | Test button + LED indicator | 165TA2467 | |
|  | 48 | DC | 10 | | | | | Test button | 165TA2464 | |
|  | 48 | DC | 10 | | | | | | 165TA2463 | |
|  | 60 | DC | 10 | ● | | | | Test button + LED indicator | 165TA2468 | |

| INDUSTRIAL RELAYS | | | | | | | | | |
|--|--------------|-------|---------------|--|---|---------|------------|-----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 60 | DC | 10 | | | | | Test button + LED indicator | 165TA2465 |
|  | 80 | DC | 10 | | | | | Test button | 165TA2466 |
|  | 230 | AC | 10 | | | | | Test button | 129TA6761 |
|   <p>14 x 4,8 mm</p> | | | | | | | | | |
|  | 12 | DC | 10 | | | | | | 124TA4686 |
|  | 24 | DC | 10 | | | | | LED indicator | 165TA2479 |
|  | 48 | DC | 10 | | | | | | 165TA2478 |
|  | 110 | AC | 10 | | | | | | 165TA2477 |

RELAYS

INDUSTRIAL RELAYS

| INDUSTRIAL RELAYS | | | | | | | | | |
|--|--------------|-------|---------------|--|---|---------|------------|--|------------------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|   <p>14 x solder</p> | | | | | | | | | |
|  | 12 | DC | 5 | | | | | Test button | 165TA2469 |
|  | 12 | DC | 5 | | | | | Test button + LED indicator | 165TA2470 |
|  | 12 | DC | 5 | | | | | | 122TA7897 |
|  | 24 | DC | 5 | ● | | | | 13(NEG) /14(POS) + Test button + LED indicator | 165TA2474 |
|  | 24 | DC | 5 | | | | | 13(POS) /14(NEG) + Test button + LED indicator | 151TA1307 |
|  | 24 | DC | 5 | | | | | Test button + LED indicator | 165TA2473 |
|  | 24 | DC | 6 | | | | | Test button | 165TA2471 |
|  | 24 | DC | 7 | | | | | Test button | 165TA2472 |

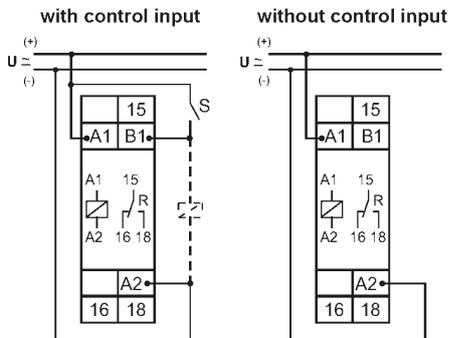
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|---|--------------|-------|---------------|--|---|---------|------------|----------------------------|-----------|
| | Voltage V | AC/DC | Amperage A | Diode  | Resistor  | Bracket | Dust cover | Remarks | REF |
|  | 48 | DC | 5 | | | | | | 111TA4917 |
|  | 60 | DC | 6 | | | | | Test button | 165TA2475 |
|  | 240 | AC | 4 | | | | | | 111TA4883 |
|   | | | | | | | | | |
|  | 24 | DC | 10 | | | | | Test button | 165TA2476 |
|   | | | | | | | | | |
|  | 24 | DC | 5 | | | | | Built-in suppression diode | 165TA2481 |
|  | 24 | DC | 5 | | | | | | 165TA2480 |

UNIVERSAL TIMER RELAY



- Multifunctional timer
- Up to 7 functions
- 7 time ranges
- Wide input voltage range
- 1 changeover contact
- Width: 17,5 mm
- Installation design

Connections



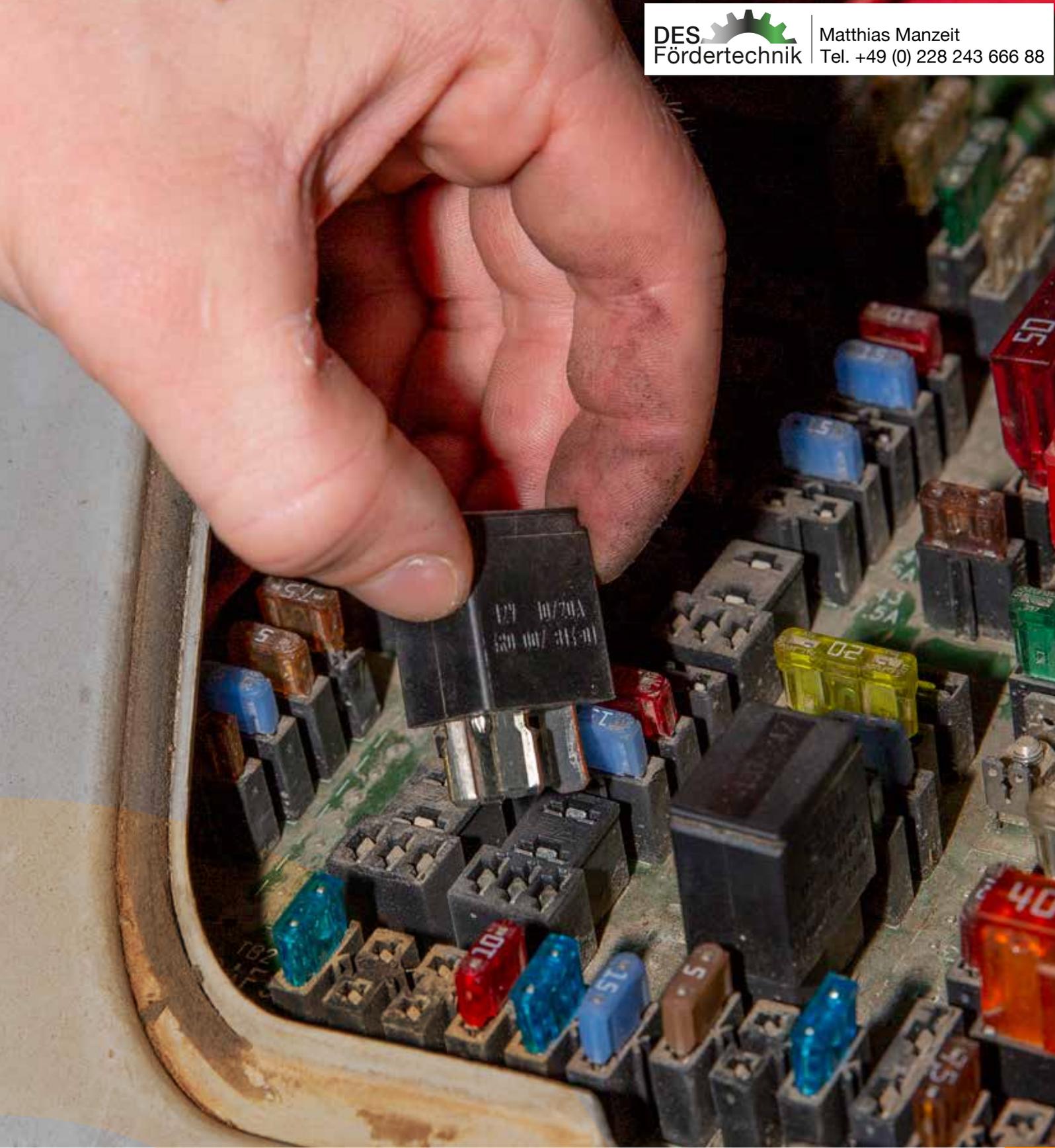
Functions:

- ON delay
- OFF delay
- Single shot leading edge with control input
- Single shot trailing edge with control input
- ON delay with control input
- Single shot leading edge voltage-controlled
- Flasher pause first

Standard:

- 12 - 240 V
- AC or DC
- 0,05 s - 10 days

REF 134TA9158



FLASHER UNITS

FLASHER UNITS

FLASHER UNITS

TYPE: BEAM



12 V - 2 terminals
21Wx2+5W
Bracket: no

REF 125TA3213



12 V - 2 terminals
21Wx2+5W
Bracket: no

REF 144TA4929



12 V - 2 terminals
Turn: 23(21)W
Hazard: 23W MAX 2 BULBS
Bracket: yes

REF 129TA5842



12 V - 2 terminals
Turn:21(23)Wx2
Hazard: 21W MAX 4 BULBS
85 c/min
Bracket: yes

REF 165TA2717



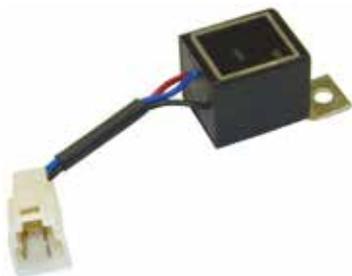
12 V - 3 terminals
100W
Bracket: no

REF 125TA3257



12 V - 3 terminals
10W min
50W max
85 ± 20 c/min
Bracket: no

REF 125TA3299



12 V - 3 terminals
130W MAX
Bracket: yes

REF 165TA2699



12 V - 3 terminals
2(4)x21W+0...4W
Bracket: yes

REF 165TA2701

TYPE: BEAM



12 V - 3 terminals
42.46.92W
Bracket: yes

REF 165TA2702



12 V - 3 terminals
2(4)x21W+0...5W
Bracket: no

REF 165TA2703



12 V - 3 terminals
21(23)Wx2+(0-5)W
27Wx2
MAX 4 BULBS
85 c/min
Bracket: no

REF 129TA5841



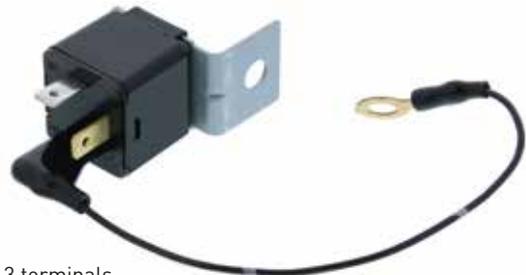
12 V - 3 terminals
21Wx2+2W
Bracket: yes

REF 165TA2708



12 V - 3 terminals
21Wx2+2W
Bracket: no

REF 165TA2709



12 V - 3 terminals
23WX2+3.4W
32CPX2+2CP
85 c/min
Bracket: yes

REF 125TA3177



12 V - 3 terminals
2x21W+2W
Bracket: yes

REF 106TA1302



12 V - 3 terminals
2x21W+5W
4x21W
Bracket: no

REF 165TA2710

FLASHER UNITS

TYPE: BEAM



12 V - 3 terminals
47W
180W MAX
Bracket: yes

REF 165TA2712



12 V - 3 terminals
54W
85 c/min
Bracket: no

REF 165TA2713



12 V - 3 terminals
54W
85 c/min
Bracket: no

REF 144TA5040



12 V - 3 terminals
54W
85 c/min
Bracket: yes

REF 129TA5847



12 V - 3 terminals
LED FLASHER
Bracket: no

REF 144TA5252



12 V - 3 terminals
MAX 25 AMPS
Bracket: no

REF 144TA5123



12 V - 3 terminals
Turn(23+10)+3W
Hazard:(23+10)x2+3W
85 ± 20 c/min
Bracket: yes

REF 165TA2714



12 V - 3 terminals
Turn: 21W
Hazard: 21W MAX 4 BULBS
85 c/min
Bracket: yes

REF 165TA2715

FLASHER UNITS

TYPE: BEAM



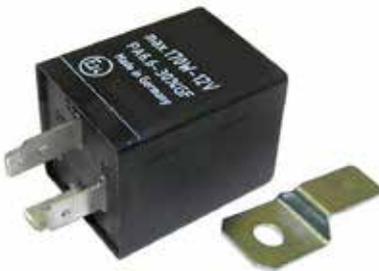
12 V - 3 terminals
Turn: 60W MAX
Hazard: 120W MAX
Bracket: yes

REF 165TA2716



12 V - 4 terminals
10-170W
Bracket: yes

REF 125TA3229



12 V - 4 terminals
170W MAX
Bracket: yes

REF 131TA8969



12 V - 4 terminals
2(4)x21W+0...4W
Bracket: yes

REF 165TA2700



12 V - 4 terminals
2+1(6)x21W+0...5W
Bracket: yes

REF 165TA2705



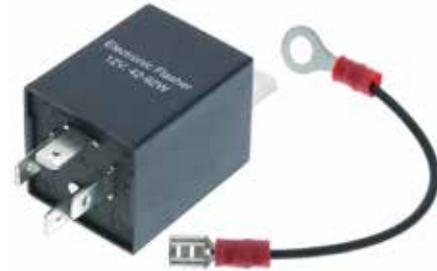
12 V - 4 terminals
42/46W (x2)
Bracket: no

REF 144TA5240



12 V - 4 terminals
42/92W
Bracket: no

REF 116TA5346



12 V - 4 terminals
42/92W
Bracket: yes

REF 165TA2711

FLASHER UNITS

FLASHER UNITS

TYPE: BEAM



12 V - 5 terminals
2+1(6)x21W
Bracket: yes

REF 165TA2704



12 V - 5 terminals
2+1(6)x21W+0...4W
Bracket: no

REF 131TA2732



12 V - 6 terminals
2+1+1(8)x21W
Bracket: yes

REF 144TA5158



12 V - 6 terminals
2+1+1(8)x21W
Bracket: yes

REF 165TA2706



12 V - 6 terminals
2+1+1(8)x21W
Bracket: no

REF 165TA2707



12 V - 6 terminals
2+1+1(8)x21W+5W
Bracket: yes

REF 144TA4599



24 V - 3 terminals
10-140W
Bracket: yes

REF 125TA3219



24 V - 3 terminals
10-140W
Bracket: yes

REF 144TA5259

TYPE: BEAM



24 V - 3 terminals
170W MAX
Bracket: yes

REF 165TA2718



24 V - 3 terminals
2(4)x21W+0...4W
Bracket: yes

REF 107TA1149



24 V - 3 terminals
21Wx2+2W
Bracket: yes

REF 165TA2721



24 V - 3 terminals
21Wx2+2W
Bracket: yes

REF 165TA2722



24 V - 3 terminals
25W
85 c/min
Bracket: yes

REF 144TA5110



24 V - 3 terminals
47W
220W MAX
Bracket: yes

REF 129TA5839



24 V - 3 terminals
50W
Bracket: no

REF 144TA4906



24 V - 3 terminals
84W
Bracket: yes

REF 165TA2723

FLASHER UNITS

FLASHER UNITS

TYPE: BEAM



24 V - 3 terminals
MIN: 10W
MAX: 50W
85 ± 20 c/min
Bracket: no

REF 144TA5159



24 V - 3 terminals
Turn: 25Wx2
Hazard: 25W MAX 4 BULBS
Bracket: yes

REF 144TA5237



24 V - 3 terminals
Turn: 63W MAX
Hazard: 130W MAX
Bracket: yes

REF 165TA2724



24 V - 4 terminals
170W MAX
Bracket: yes

REF 131TA8970



24 V - 4 terminals
2(4)x21W+0...4W
Bracket: yes

REF 165TA2719



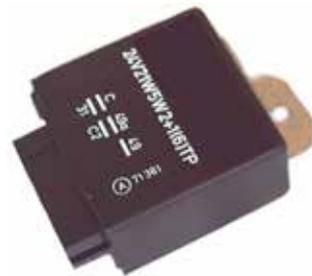
24 V - 4 terminals
2/4x21W
Bracket: yes

REF 125TA3263



24 V - 4 terminals
10-170W
Bracket: yes

REF 165TA2728



24 V - 5 terminals
2+1(6)x21W+5W
Bracket: yes

REF 139TA5968

TYPE: BEAM



24 V - 6 terminals
(3+1)/8x21W
Bracket: yes

REF 144TA4815



24 V - 6 terminals
2+1(6)x21W+5W
Bracket: yes

REF 144TA5081



24 V - 6 terminals
2+1(6)x21W+5W
Bracket: yes

REF 165TA2720



48 V - 3 terminals
25W
85 ± 10 c/min
Bracket: yes

REF 165TA2725



48 V - 3 terminals
25Wx1
80 c/min
Bracket: yes

REF 165TA2726



48 V - 3 terminals
25Wx1
80 c/min
Bracket: yes

REF 165TA2727



48 V - 3 terminals
25Wx2+3W
80 c/min
Bracket: yes

REF 125TA3236



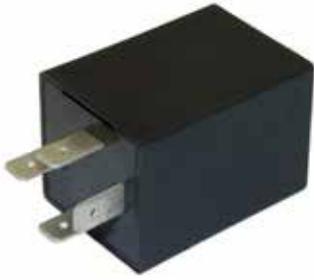
9-30 V - 3 terminals
60W
Bracket: no

REF 165TA2729

FLASHER UNITS

FLASHER UNITS

TYPE: BEAM



12-24 V - 4 terminals
5-30W
Bracket: no

REF 144TA5193



36-48 V - 3 terminals
Bracket: yes

REF 129TA5837

FLASHER UNITS

TYPE: CYLINDRICAL



12 V - 2 terminals
21Wx2+5W
Bracket: no

REF 144TA5028



12 V - 2 terminals
23W
85 c/min
Bracket: yes

REF 165TA2731



12 V - 2 terminals
23Wx1
85 c/min
Bracket: yes

REF 125TA3193



12 V - 2 terminals
23Wx2
85 c/min
Bracket: yes

REF 165TA2732



12 V - 2 terminals
32CP MAX 4 BULBS
Bracket: no

REF 144TA5151



12 V - 2 terminals
32CP MAX 6 BULBS
80 c/min
Bracket: yes

REF 165TA2733



12 V - 2 terminals
32CP MAX 6 BULBS
90 c/min
Bracket: yes

REF 125TA3173



12 V - 2 terminals
552 FLASHER
Bracket: no

REF 148TA4060

FLASHER UNITS

FLASHER UNITS

TYPE: CYLINDRICAL



12 V - 3 terminals
32CP MAX 6 BULBS
80 c/min
Bracket: no

REF 125TA3171



12 V - 3 terminals
43W
Bracket: yes

REF 144TA4864



12 V - 3 terminals
550 FLASHER long
Bracket: no

REF 165TA2734



12 V - 3 terminals
MAX 20 AMPS
Bracket: yes

REF 165TA2735



12 V - 5 terminals
(2+1+1)x18W
Bracket: yes

REF 144TA5016



24 V - 2 terminals
25W
MAX 7 BULBS
95 c/min
Bracket: yes

REF 165TA2736



24 V - 2 terminals
25W
85 c/min
Bracket: yes

REF 125TA3240



24 V - 2 terminals
25Wx1
85 c/min
Bracket: yes

REF 125TA3271

TYPE: CYLINDRICAL



24 V - 2 terminals
25Wx2
85 c/min
Bracket: yes

REF 144TA4894



24 V - 2 terminals
25Wx2+3W
85 c/min
Bracket: yes

REF 144TA5007



48 V - 2 terminals
32CP MAX 2 BULBS
80 c/min
Bracket: yes

REF 136TA8361



MAINTENANCE, REPAIR & OPERATIONS

WORKEASY GLOVES BLACK

Honeywell



Recommendations:

Fine handling in a dry environment

Applications:

- Assembly and electrical components (semi-conductors, microprocessors)
- Separation of small items (household appliances, automotive industry, nuts and bolts)
- Electronics

Advantages:

- Exceptional dexterity and breathability
- PU-coated glove without silicone

Standard:

- Cat II
- EN 420
- EN 388:3121

REF 143TA6973 – Size: 6

REF 143TA6974 – Size: 7

REF 143TA6975 – Size: 8

REF 143TA6976 – Size: 9

REF 143TA6977 – Size: 10

REF 143TA6978 – Size: 11

AUTOMATIC WIRE STRIPPER



- For solid cables with section 0,5–4,0 mm²
- Scanning system automatically adjusts to the correct diameter
- Integrated side cutter for wires up to 2 mm diameter
- Optical linear measure of 8–12 mm

REF 165TA1330

INSULATION STRIPPER



Length: 153 mm

REF 165TA2368

STANDARD CRIMPING PLIERS



Application: for cutting and crimping terminals for cable sizes from 1,5 to 6 mm²

REF 106TA9500

CRIMPING PLIERS



For red, green and yellow cable sockets

REF 165TA2371

15-PIECE INSULATED COMBINATION SET



Toolbox suitable for electrical maintenance

- ⊕ 2 Phillips screwdrivers: PH1, PH2
- ⊖ 6 slotted screwdrivers: 2,5; 3; 3,5; 4; 5,5; 6,5 mm
- 1 adjustable wrench: 250 mm
- 1 multifunctional stripping pliers
- 1 combination pliers: 200 mm
- 1 long break pliers: 200 mm
- 1 diagonal cutters: 160 mm
- 1 curved cable knife: 150 mm
- 1 voltage tester screwdriver: 110-250 V AC

REF 165TA3743

BRAKE CLEANER



Efficient brake cleaner with high dissolving properties

- Contents: 500 ml
- Non-conductive and non-corrosive
- Powerful spray jet for: drum and disc brakes, brake linings, calipers and shoes
- Leaves no residue
- High price/quality ratio

REF 134TA3719

CLEANING TISSUE



- Floor-mounting dispenser
- Rolls excluded

REF 140TA9060



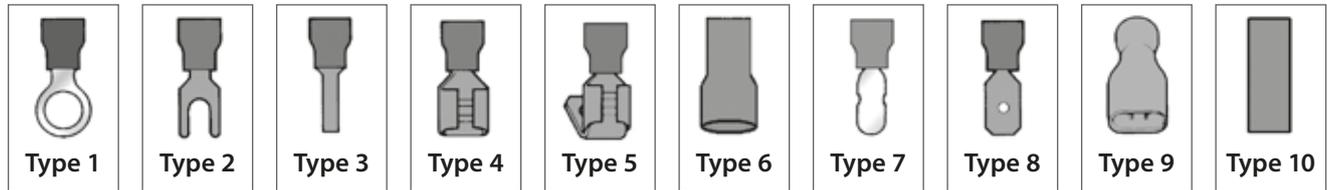
- Wall-mounting dispenser
- Rolls excluded

REF 107TA8503

REF 106TA6744 – 2 white rolls (600 m x 240 mm)

CRIMPING TERMINALS

All cable terminals are supplied in bags of 100 pieces.
For example: if you order 3 times REF 106TA9428, you will receive 300 pieces.



| Type | Colour | Section mm ² | Dimensions | REF / 100 pieces | Type | Colour | Section mm ² | Dimensions | REF / 100 pieces | | | | |
|-----------|--------|-------------------------|------------|------------------|-----------|-----------|-------------------------|------------|------------------|-----------|-----------|-----------|-----------|
| 1 | Red | 0,5-1,0 | M 3 | 106TA9427 | 4 | Red | 0,5-1 | 2,8 x 0,5 | 106TA9462 | | | | |
| | | | M 4 | 106TA9428 | | | | 2,8 x 0,8 | 106TA9463 | | | | |
| | | | M 5 | 106TA9429 | | | | 4,8 x 0,5 | 106TA9464 | | | | |
| | | | M 6 | 106TA9430 | | | | 4,8 x 0,8 | 106TA9465 | | | | |
| | | | M 8 | 106TA9431 | | | | 6,3 x 0,8 | 106TA9466 | | | | |
| | | | M 10 | 106TA9432 | | | | 7,7 x 0,8 | 106TA9467 | | | | |
| | Blue | 1-2,5 | M 3 | 106TA9433 | | Blue | 1-2,5 | 1-2,5 | 4,8 x 0,5 | 106TA9468 | | | |
| | | | M 4 | 106TA9434 | | | | | 4,8 x 0,8 | 106TA9469 | | | |
| | | | M 5 | 106TA9435 | | | | | 6,3 x 0,8 | 106TA9470 | | | |
| | | | M 6 | 106TA9436 | | | | | 7,7 x 0,8 | 106TA9471 | | | |
| | | | M 8 | 106TA9437 | | | | | Yellow | 4-6 | 6,3 x 0,8 | 106TA9472 | |
| | | | M 10 | 106TA9438 | | | | | | | 9,5 x 1,2 | 106TA9473 | |
| | Yellow | 4-6 | M 4 | 106TA9439 | | 5 | Red | 0,5-1 | 6,3 x 0,8 | 106TA9474 | | | |
| | | | M 5 | 106TA9440 | | | Blue | 1-2,5 | 6,3 x 0,8 | 106TA9475 | | | |
| | | | M 6 | 106TA9441 | | 6 | Red | 0,5-1 | ∅ 4 | 106TA9476 | | | |
| | | | M 8 | 106TA9442 | | | Black | 0,5-1 | ∅ 5 | 106TA9478 | | | |
| | | | M 10 | 106TA9443 | | | Blue | 1-2,5 | ∅ 4 | 106TA9479 | | | |
| | 2 | Red | 0,5-1,0 | M 3 | | 106TA9444 | 7 | Blue | 1-2,5 | ∅ 5 | 106TA9481 | | |
| | | | | M 3,5 | | 106TA9445 | | | | Yellow | 4-6 | ∅ 5 | 106TA9482 |
| | | | | M 4 | | 106TA9446 | | | | Red | 0,5-1 | ∅ 4 | 106TA9483 |
| | | | | M 5 | | 106TA9447 | | | | | | ∅ 4 | 123TA5434 |
| M 6 | | | | 106TA9448 | ∅ 5 | 106TA9485 | | | | | | | |
| Blue | | 1-2,5 | M 3 | 106TA9449 | Yellow | 4-6 | ∅ 5 | 106TA9486 | | | | | |
| | | | M 3,5 | 106TA9450 | | | 8 | Red | 0,5-1 | 6,3 x 0,8 | 106TA9487 | | |
| | | | M 4 | 106TA9451 | | | | Blue | 1-2,5 | 6,3 x 0,8 | 106TA9488 | | |
| | | | M 5 | 106TA9452 | Yellow | 4-6 | | 6,3 x 0,8 | 106TA9489 | | | | |
| | | | Yellow | 4-6 | M 4 | 106TA9454 | 9 | Red | 0,5-1 | 6,3 x 0,8 | 106TA9490 | | |
| | | | | | M 5 | 106TA9455 | | Blue | 1-2,5 | 6,3 x 0,8 | 106TA9491 | | |
| M 6 | | 106TA9456 | | | 10 | Red | 0,5-1,0 | L = 17 mm | 106TA9492 | | | | |
| M 8 | | 106TA9457 | | | | | | L = 25 mm | 106TA9493 | | | | |
| Blue | | 1-2,5 | M 10 | 106TA9458 | | Blue | 1-2,5 | L = 17 mm | 165TA3742 | | | | |
| | | | | L = 25 mm | | | | 106TA9495 | | | | | |
| | Yellow | | | 4-6 | L = 21 mm | | | 106TA9496 | | | | | |
| L = 27 mm | | 106TA9497 | | | | | | | | | | | |
| 3 | Red | 0,5-1 | | 106TA9459 | | | | | | | | | |
| | Blue | 1-2,5 | | 106TA9460 | | | | | | | | | |
| | Yellow | 4-6 | | 106TA9461 | | | | | | | | | |

CRIMP TERMINAL KIT



- | | |
|-----------------------|--------------------|
| 25 x L: 6,3 x 0,8 mm | 25 x M8 |
| 25 x L: 25 mm | 25 x L: 25 mm |
| 25 x 6,3 x 0,8 mm | 25 x Ø: 4 mm |
| 25 x M4 | 25 x 6,3 x 0,8 mm |
| 25 x M5 | 25 x Ø: 4 mm |
| 25 x M6 | 25 x 6,3 x 0,8 mm |

With professional crimping tool

REF 164TA8077

CRIMP TERMINAL KIT



- | | |
|----------------|--------------------|
| 50 x M4 | 25 x M4 |
| 25 x M4 | 25 x M4 |
| 25 x M5 | 25 x 6,3 x 0,8 mm |
| 25 x M4 | 25 x 6,3 x 0,8 mm |
| 25 x L: 25 mm | 25 x 6,3 x 0,8 mm |
| 25 x L: 25 mm | 25 x 6,3 x 0,8 mm |

With standard crimping tool

REF 165TA3249

CRIMP TERMINAL KIT (WIRES AND SLEEVES)



- | |
|-----------------------------|
| 100 x 0,50 mm ² |
| 400 x 0,75 mm ² |
| 400 x 1,00 mm ² |
| 400 x 1,50 mm ² |
| 200 x 2,50 mm ² |
| 100 x 4,00 mm ² |
| 50 x 6,00 mm ² |
| 50 x 10,00 mm ² |

With crimping pliers

REF 164TA8078

TERMINAL BLOCKS



- 12-way
- Temperature: -25 °C to +100 °C
- Quality polypropylene
- EN 60998

| Wire size mm ² | REF |
|------------------------------|------------------|
| 2,5 | 112TA4807 |
| 6 | 112TA4808 |
| 10 | 112TA4809 |
| 16 | 112TA4810 |

CABLE CONNECTOR



Capacity: 0,25-1,5 mm²

REF 112TA4804

CABLE CONNECTOR



Capacity: 1-2,5 mm²

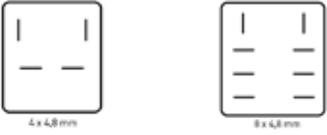
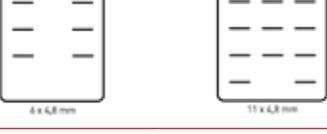
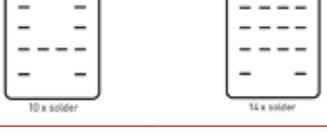
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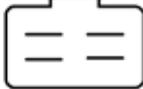
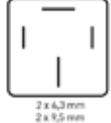
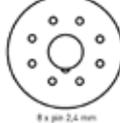
INSULATED CRIMP TERMINAL KIT



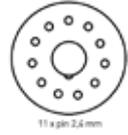
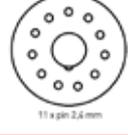
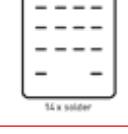
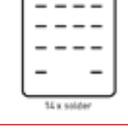
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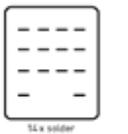
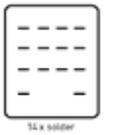
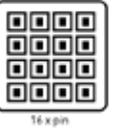
| Colour | Description | Quantity |
|--------|---------------------------------------|----------|
| Red | Spade male 6,3 x 0,8 mm | 20 |
| Red | Spade female 6,3 x 0,8 mm | 20 |
| Red | Spade female full sealed 6,3 x 0,8 mm | 20 |
| Red | Spade female + male 6,3 x 0,8 mm | 20 |
| Red | Butt male dia 4 mm | 20 |
| Red | Butt female dia 4 mm | 20 |
| Red | Ring M4 | 20 |
| Red | Ring M6 | 20 |
| Red | Ring M8 | 20 |
| Red | Ring M10 | 20 |
| Red | Cable connect long | 20 |
| Yellow | Spade male 6,3 x 0,8 mm | 20 |
| Yellow | Spade female 6,3 x 0,8 mm | 20 |
| Yellow | Spade female full sealed 6,3 x 0,8 mm | 20 |
| Yellow | Spade female + male 6,3 x 0,8 mm | 20 |
| Yellow | Butt male dia 4 mm | 20 |
| Yellow | Butt female dia 4 mm | 20 |
| Yellow | Ring M4 | 20 |
| Yellow | Ring M6 | 20 |
| Yellow | Ring M8 | 20 |
| Yellow | Ring M10 | 20 |
| Yellow | Cable connect long | 20 |
| Blue | Spade male 6,3 x 0,8 mm | 20 |
| Blue | Spade female 6,3 x 0,8 mm | 20 |
| Blue | Spade female full sealed 6,3 x 0,8 mm | 20 |
| Blue | Spade female + male 6,3 x 0,8 mm | 20 |
| Blue | Butt male dia 4 mm | 20 |
| Blue | Butt female dia 4 mm | 20 |
| Blue | Ring M4 | 20 |
| Blue | Ring M6 | 20 |
| Blue | Ring M8 | 20 |
| Blue | Ring M10 | 20 |
| Blue | Cable connect long | 20 |

| Footprint | Socket | Remarks | REF |
|---|---|---------------|-----------|
|  <p>2 x 6,3 mm 2 x 4,8 mm</p> |  | | 124TA8974 |
|  <p>2 x 6,3 mm 2 x 4,8 mm</p> |  | | 165TA2683 |
|  <p>4 x 4,8 mm 9 x 4,8 mm</p> |  | 10 A 250 V | 165TA2684 |
|  <p>4 x 6,3 mm 5 x 6,3 mm</p> |  | | 111TA4847 |
|  <p>4 x 6,3 mm 5 x 6,3 mm</p> |  | | 134TA8409 |
|  <p>4 x 6,3 mm 5 x 6,3 mm</p> |  | | 165TA2685 |
|  <p>4 x 6,3 mm 5 x 6,3 mm</p> |  | | 165TA2687 |
|  <p>4 x 6,3 mm 5 x 6,3 mm</p> |  | | 165TA2688 |
|  <p>4 x 6,3 mm 6 x 6,3 mm</p> |  | 30 A 277 V | 165TA2690 |
|  <p>4 x 4,8 mm 11 x 4,8 mm</p> |  | 16 A 250 V | 165TA2670 |
|  <p>10 x solder 14 x solder</p> |  | 5 A 250 V | 124TA8971 |
|  <p>4 x 4,8 mm 4 x 4,8 mm 9 x 4,8 mm 11 x 4,8 mm</p> |  | 15 A 300 V | 124TA8967 |

| Footprint | Socket | Remarks | REF | Footprint | Socket | Remarks | REF |
|---|---|---------------|-----------|--|---|---------------|-----------|
|  4 x 6,3 mm |  | | 165TA2686 |  8 x 4,8 mm |  | 10 A 300 V | 124TA8968 |
|  4 x 6,3 mm |  | | 165TA2689 |  8 x 4,8 mm |  | 15 A 240 V | 160TA6457 |
|  2 x 6,3 mm 2 x 9,5 mm |  | | 165TA2691 |  8 x 4,8 mm |  | 10 A 300 V | 134TA8412 |
|  2 x 6,3 mm 2 x 9,5 mm |  | | 125TA4546 |  8 pin 2,4 mm |  | 10 A 250 V | 111TA4869 |
|  2 x 6,3 mm 2 x 9,5 mm |  | | 165TA2692 |  8 pin 2,4 mm |  | 10 A 300 V | 165TA2695 |
|  5 x 6,3 mm |  | | 165TA3636 |  8 x solder |  | 7 A 250 V | 165TA2696 |
|  2 x 2,8 mm 3 x 4,8 mm |  | 10 A 300 V | 125TA4547 |  8 x solder |  | | 124TA8972 |
|  5 x 4,8 mm |  | 10 A 250 V | 165TA2693 |  8 x solder |  | 12 A 300 V | 165TA2737 |
|  5 x 4,8 mm |  | 10 A 250 V | 134TA8411 |  8 x solder |  | 5 A 250 V | 124TA8978 |
|  5 x 4,8 mm |  | 10 A 250 V | 124TA8969 |  8 x solder |  | 7 A 300 V | 165TA2698 |
|  8 x 4,8 mm |  | 15 A 300 V | 165TA2694 |  11 x 4,8 mm |  | 10 A 300 V | 134TA8416 |
|  8 x 4,8 mm |  | 10 A 250 V | 111TA4887 |  11 pin 2,6 mm |  | | 125TA4550 |

RELAY SOCKETS

| Footprint | Socket | Remarks | REF |
|--|---|---------------|------------------|
|  11 x pin 2,6 mm |  | 10 A 250 V | 165TA2671 |
|  11 x pin 2,6 mm |  | 10 A 300 V | 165TA2672 |
|  11 x pin 2,6 mm |  | 10 A 300 V | 134TA8414 |
|  11 x pin 2,6 mm |  | 10 A 400 V | 165TA2673 |
|  11 x pin 2,6 mm |  | 12 A 300 V | 111TA4897 |
|  11 x pin 2,6 mm |  | 10 A 300 V | 165TA2674 |
|  11 x pin 2,6 mm |  | 10 A 250 V | 165TA2675 |
|  11 x pin 2,6 mm |  | 10 A 300 V | 165TA2676 |
|  16 x 4,8 mm |  | 10 A 300 V | 165TA2678 |
|  16 x 4,8 mm |  | 10 A 250 V | 111TA5079 |
|  16 x solder |  | 10 A 300 V | 165TA2679 |
|  16 x solder |  | 10 A 300 V | 165TA2680 |

| Footprint | Socket | Remarks | REF |
|--|---|---------------|------------------|
|  16 x solder |  | 10 A 250 V | 165TA2677 |
|  16 x solder |  | 6 A 250 V | 165TA2681 |
|  16 x solder |  | 10 A 250 V | 147TA6052 |
|  16 x pin |  | 5 A 250 V | 165TA2682 |