



HOZ-03462/24-001814-420/089.00 Article No.: 462-1594

**General**

|                               |   |                                |
|-------------------------------|---|--------------------------------|
| Enclosure:<br>Open            | Special feature:<br>forcibly guided contact set | Connections:<br>Soldering pins |
| Contact set (NO/NC/CO)<br>420 | Dimensions:<br>67,4x20,5x48,6 mm                | Weight:<br>115 g               |

**Technical Data**  $T_u = 20^\circ\text{C}$

|                                      |   |                           |
|--------------------------------------|---|---------------------------|
| Switching voltage,max                | AC 230/240 V  | DC 300 V                  |
| Switch. capacity,max 2.000/120 VA/W  | Switching current,max 10 A                            | Constant current,max 10 A |
| Contact resistance < 100 mOhm        |   |                           |
| Endurance, mech. > 1x10 <sup>7</sup> | Endurance, electr. > 10 <sup>5</sup> Switching cycles |                           |
| <b>Switching capacity</b>            | AC15 230/240 V, I <sub>e</sub>                        | DC13 24 V, I <sub>e</sub> |
| AgSnO-12p / 5 μm Au                  | 4 A   | 2 A                       |

| Insulation           | AC 120 V | AC 240 V | AC 230 V | AC 400 V | Test voltage |
|----------------------|----------|----------|----------|----------|--------------|
| contact-contact      | D-I      | D-I      | B-I      | B-I      | 2.500V       |
| contact sets - drive | D-I      | D-I      | B-I      | B-I      | 2.500V       |

D-I = Reinforced (double) insulation      B-I = Basic insulation

**Switch time** energizing with 1,5\*U<sub>I</sub>

|                                 |                   |                                       |                   |
|---------------------------------|-------------------|---------------------------------------|-------------------|
| t <sub>a-nc</sub>               | t <sub>a-no</sub> | t <sub>r-no</sub>                     | t <sub>r-nc</sub> |
| 17 ms                           | 23 ms             | 5 ms                                  | 7 ms              |
| Shock resistance at 16 ms 10 g  |                   | Vibration resistance at 10-55 Hz 10 g |                   |
| Ambient temperature -25...+80°C |                   |                                       |                   |

**Operating voltage**

| T <sub>u</sub> /°C | coil I: R = 850,0 Ohm |                |                |                   | U <sub>nenn</sub> +10/ -15% |      |   |
|--------------------|-----------------------|----------------|----------------|-------------------|-----------------------------|------|---|
|                    | U <sub>1</sub>        | U <sub>2</sub> | U <sub>3</sub> | U <sub>rück</sub> | min                         | max  |   |
| 20                 | 20,1                  | 58,4           | 54,5           | 3,9               | 24,6                        | 53,1 | V |
| -5                 | 18,1                  | 63,9           | 49,2           | 3,5               | 22,2                        | 58,1 | V |
| 20                 | 20,1                  | 58,4           | 54,5           | 3,9               | 24,6                        | 53,1 | V |

Quoted data does not represent any binding characteristics and may be subject to technical alterations.

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