

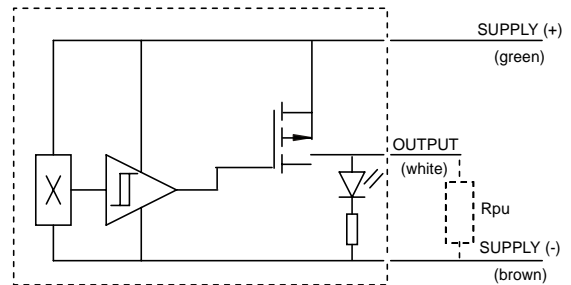
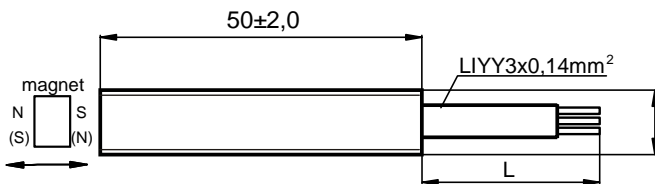
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## Hall sensor LHS02

RoHS compliant product

Sensors are operated by permanent magnets, sizes and parameters of which depend on user's applications.  
 In case doubts please contact the producer



L – Length of wires depends on customer's requirement

all dimensions in mm

| DATA SCAN                                  | Unit         | LHS02/6                           | LHS02/12 | LHS02/18 |
|--|--------------|-----------------------------------|----------|----------|
| Contact form                               |              | open drain (PNP)                  |          |          |
| Function                                   |              | bipolar switch (indicated by LED) |          |          |
| Operating voltage range                    | min          | 4,5                               | 9        | 15       |
|  | typ          | 6                                 | 12       | 18       |
|  | max          | 9                                 | 15       | 20       |
| Max current consumption                    | $B < B_{RP}$ | 6                                 |          |          |
|  | $B > B_{OP}$ | 20                                |          |          |
| Output saturation voltage                  | max          | 600                               |          |          |
| Output leakage current                     | max          | 10                                |          |          |
| Output current                             | max          | 2                                 |          |          |
| Operating frequency                        | max          | 100                               |          |          |
| Operate point ( $B_{OP}$ )                 | max          | 6,0 (south)                       |          |          |
| Release point ( $B_{RP}$ )                 | min          | 6,0 (north)                       |          |          |
| Hysteresis ( $B_{hys} = B_{OP} - B_{RP}$ ) | typ          | 4,5                               |          |          |
| Environment category acc. to IEC 68-2-1÷3  |              | 40/85/21                          |          |          |
| Housing                                    |              | Plastic case                      |          |          |

Typical applications:  
 Automatic control systems, garage doors, elevators, washing machines, refrigerators.