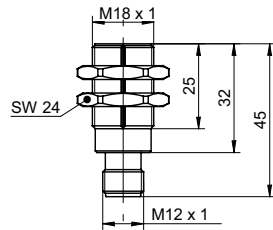


Magnetic angle sensors

MDRM 18U9505/S14C360

dimension drawing



general data

| | |
|-------------------------|------------------------------|
| angular range | 360° linear |
| resolution | 0,09 ° |
| system accuracy | ± 0,25 % |
| temperature drift | ± 1 % (Full Scale) |
| working distance max. | 5 mm, with magnet rotor MSFS |
| axial misalignment max. | 0,4 mm |

electrical data

| | |
|------------------------------------|-----------------|
| response time | < 4 ms |
| voltage supply range +Vs | 4,7 ... 7,5 VDC |
| current consumption max. (no load) | 10 mA |
| output signal | 0 ... 4,3 VDC |
| load resistance | > 1000 Ohm |
| output circuit | voltage output |
| short circuit protection | yes |
| reverse polarity protection | no |

mechanical data

| | |
|-------------------------|----------------------|
| connection types | connector M12 |
| type | cylindrical threaded |
| housing material | brass nickel plated |
| dimension | 18 mm |
| material (sensing face) | PBTP |

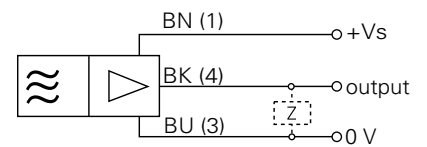
ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -40 ... +85 °C |
| protection class | IP 67 |

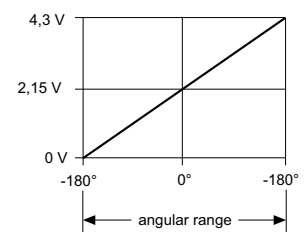
photo



connection diagram



output signal



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- Rotor is available as an accessory