



SME5

ENVIRONMENTAL SPECIFICATIONS

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|------------------------------|-------------------------------|
| Operating temperature range: | -25°C ÷ +85°C (-13°F +185°F) |
| Storage temperature range: | -40°C ÷ +100°C (-40°F +212°F) |
| Protection: | IP67 |

MECHANICAL SPECIFICATIONS

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|---------------------------|--|
| Dimensions: | see drawing |
| Housing: | aluminium |
| Connections: | Cable 2,0 m |
| Gap sensor-magnetic tape: | 0,1 ÷ 2,0 mm |
| Travel speed: | max 16 m/s |
| Resolution: | 0,05 / 0,04 / 0,025 / 0,02 / 0,01 / 0,005 mm |
| System accuracy: | ±15 µm max. |
| Repeatability: | ±1 increment |

ELECTRICAL SPECIFICATIONS

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|-------------------------------|---|
| Power supply: | +5Vdc ±5%, +10Vdc ÷ +30Vdc |
| Output circuits: | Line Driver, Push-Pull |
| Output signals: | A, /A, B, /B, I, /I |
| Output current (per channel): | 40 mA max |
| Input current: | 70 mA max |
| Protection: | against inversion of polarity (except 5Vdc version) and short-circuit |

ACCESSORIES

| | |
|-------------|------------------------|
| MT50: | Magnetic tape |
| LKM-1309/5: | Reference pole support |
| PS1: | Protection profile |
| MRI: | Magnetic ring |

ORDERING CODE

| | | | | | | | | | | | |
|--------------|---|---|---|--|---|--|---|--|---|---|---|
| XXXX | - | XX | - | X | - | XX | - | X | - | XX | X |
| SERIES | | OUTPUT CIRCUITS | | INDEX | | RESOLUTION | | EDGE DISTANCE | | | |
| SME5 | | Push-Pull (AB) Y Push-Pull (AB, /AB) YC Line Driver (AB, /AB) L | | N without I every 5 mm R unique reference signal | | 50 0,05 mm (50 µm) 25 0,025 mm (25 µm) 10 0,01 mm (10 µm) 5 0,005 mm (5 µm) | | A 1µs min. edge distance at output* B 2µs C 4µs D 8µs E 16µs F 32µs *see page 15 | | xx Cable length on request Ex.: 2 = 2 meters 7 = 7 meters | |
| POWER SUPPLY | | +5Vdc ±5% (L) 1 +10Vdc ÷ +30Vdc (Y and L) 2 | | | | | | | | | |



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• Data-sheet
• User manual