



KTM-MP11181P

KTM Prime

CONTRAST SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
KTM-MP1181P	1072473

Other models and accessories → www.sick.com/KTM_Prime



Detailed technical data

Features

Dimensions (W x H x D)	12 mm x 31.5 mm x 21 mm
Sensing distance	12.5 mm
Housing design (light emission)	Rectangular
Sensing distance tolerance	± 3 mm
Light source	LED, White ¹⁾
Light spot size	1.5 mm x 3.5 mm
Light spot direction	Vertical ²⁾
Max. web speed tech-in (dynamic)	1 m/s ³⁾
Adjustment	Teach-in button
Teach-in mode	2-point teach-in static/dynamic + proximity to mark
Output function	Light/dark switching

¹⁾ Average service life: 100,000 h at T_U = +25 °C.

²⁾ In relation to long side of housing.

³⁾ At a mark size of 4 mm.

Mechanics/electronics

Supply voltage	12 V DC ... 24 V DC ¹⁾
Ripple	≤ 5 V _{pp} ²⁾
Power consumption	< 50 mA ³⁾
Switching frequency	15 kHz ⁴⁾
Response time	35 μs ⁵⁾

¹⁾ Limit values: DC 12 V (-10 %) ... DC 24 V (+20 %). Operation in short-circuit protected network max. 8 A.

²⁾ May not exceed or fall below U_v tolerances.

³⁾ Without load.

⁴⁾ With light/dark ratio 1:1.

⁵⁾ Signal transit time with resistive load.

⁶⁾ At supply voltage > 24 V, I_{max} = 30 mA. I_{max} is consumption count of all Q_N.