



Laser distance sensors,DT20-P214B

URL:<https://www.sxplc.com/laser-distance-sensors-dt20-p214b>

Product data sheet

Mechanics/electronics

Supply voltage V_s	DC 10 V ... 30 V ¹⁾
Ripple	$\leq 5 V_{pp}$ ²⁾
Power consumption	$\leq 1.8 W$ ³⁾
Warm-up time	≤ 10 min
Housing material	Metal (zinc diecast)
Window material	Plastic (PMMA)
Connection type	Male connector, M12, 5-pin, swivel connector unit
Indication	LC display, 2 x LED
Weight	135 g
Dimensions (W x H x D)	24.3 mm x 72.4 mm x 54.1 mm
Enclosure rating	IP65 (EN 60529)
Protection class	II

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network: max. 8 A.

²⁾ May not fall short of or exceed V_s tolerances.

³⁾ Without load.

Safety-related parameters

MTTF _D	101 years
DC _{avg}	0%

Performance

Measurement range $r_{min} \dots r_{max}$	100 mm ... 600 mm ¹⁾
Target	Natural objects
Repeatability	≥ 0.5 mm ^{1) 2) 3)}

