



Configuration:	Linear
Calibrated sensing Range:	100mm
Air Gap:	n/a (integral target)
Supply Voltage:	+6 - +31VDC
Resolution:	12 bit
Update Rate:	5kHz
Output:	Analogue. Factory set to 0.25VDC @0mm – 4.75VDC @100mm CAN 2.0A with 11 bit identifier
Supply Current:	nom 45mA @ +24VDC
Reverse Polarity:	protected
Sensitivity:	Min. 45mV/mm
Termination:	Flying lead
Wiring:	1m, 7 core 26AWG sleeved in RW-200E
Sensor Dimensions:	Approx. 155mm x 42mm x 14mm (see drawing view)
Housing Material:	AL 6082T6 (Hard anodised)
Mounting:	2 x M3 tapped holes
Linearity:	+/- 0.4% full scale output
Operating Temperature:	-40 °C to 125 °C
Storage Temperature:	-20 °C to 85 °C
Vibration:	10G from 10Hz to 2,000Hz
Shock:	50 G half sine wave with 11 ms duration
Sealing:	IP68
Part Number:	LW-020-02

WIRE DESIGNATION	
RED	SUPPLY
BLACK	GROUND
YELLOW	SIGNAL
WHITE	TX (TRANSMIT, FOR CONFIGURATION ONLY)
GREEN	RX (RECEIVE, FOR CONFIGURATION ONLY)
BLUE	CAN HI
PURPLE	CAN LO

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ±0.05 ANGULAR: ±0.05	FINISH:	HARD ANODISE TO 50um	DEBUR AND BREAK SHARP EDGES	REVISION ISSUE	DESCRIPTION	DATE	APPROVED
				01	FIRST RELEASE	17.12.22	NJM
				02	CAN OUTPUT ADDED	19.12.22	NJM
DRAWN	NAME	SIGNATURE	DATE	TITLE: <b>100mm TMR LINEAR SLIDER ASSEMBLY</b>  DWG NO. <b>LW-020-02</b>  SCALE: 1:1			
CHK'D	NJM		17.12.22				
APP'V'D							
MFG							
Q.A				MATERIAL:	AL6082T6	A3	
 THIRD ANGLE				WEIGHT:	EST. 200g	SHEET 1 OF 1	
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