



Long Range - ø6.5

LONG RANGE

METALHEAD™

WELD FIELD IMMUNE

	ø6.5		ø6.5	
				
Sensing Distance	3 mm		6 mm	
Operating Voltage	10-30 VDC		10-30 VDC	
Ripple	<10%		<10%	
No Load Current	<10mA		<10mA	
Max. Load Current	200mA		200mA	
Leakage Current	<0.01mA		<0.01mA	
Surge Current	-		-	
Min. Load Current	-		-	
Voltage Drop	<2 V		<2 V	
Switching Frequency	1 KHz		1 KHz	
Response Time	0.1ms/0.1ms		0.1ms/0.1ms	
Switching Hysteresis	<15% (Sr)		<15% (Sr)	
Repeat Accuracy	<1.0% (Sr)		<1.0% (Sr)	
Protection Category	IP67		IP67	
Operating Temperature	-25°C - +70°C		-25°C - +70°C	
Temperature Drift	<10% (Sr)		<10% (Sr)	
Short Circuit Protection	Yes		Yes	
Overload Trip Point	220mA		220mA	
Time Delay Before Availability	<10ms		<10ms	
Shock / Vibration	IEC 60947-5-2, Part 7.4.1 & 7.4.2		IEC 60947-5-2, Part 7.4.1 & 7.4.2	
Material Active Face	POM		POM	
Housing Material	Stainless Steel		Stainless Steel	
Part Numbers	Shielded	Unshielded	Shielded	Unshielded
DC 3 wire 10-30V NPN N.O.	LCU1-D0603N-ACU3	LCU2-D0606N-ACU3	LCU1-D0603N-ARU4	LCU2-D0606N-ARU4
DC 3 wire 10-30V NPN N.C.	LCU1-D0603N-BCU3	LCU2-D0606N-BCU3	LCU1-D0603N-BRU4	LCU2-D0606N-BRU4
DC 3 wire 10-30V PNP N.O.	LCU1-D0603P-ACU3	LCU2-D0606P-ACU3	LCU1-D0603P-ARU4	LCU2-D0606P-ARU4
DC 3 wire 10-30V PNP N.C.	LCU1-D0603P-BCU3	LCU2-D0606P-BCU3	LCU1-D0603P-BRU4	LCU2-D0606P-BRU4
Diagrams (units in mm)	