1-800-633-0405 WST Series Weld Slag Resistant Inductive **Proximity Sensors**



M30 (30mm)

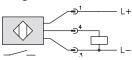
- Low cost/high performance
- Weld slag resistant coating
- Inductive sensor
- Full metal housing
- · Increased sensing range
- Gold-plated contacts
- Flush mounting
- Lifetime warranty



WST Series M30 Inductive Proximity Selection Chart										
Part Number	Price	Sensing Range	Mounting	Output State	Logic	Voltage	Connection	Wiring	Dimensions	
<u>WST-AP-3H</u>	Retired	15mm [0.59 mm]	- Flush N.O.	PNP	10 - 30 VDC	4-pin M12 quick-disconnect	Diagram 1	Figure 1		
<u>WST-A0-3E</u>	Retired	12mm [0.47 mm]		N.O.	PNP/NPN	10-36 VDC	4-pin M12 with 0.3 m cable	Diagram 2	Figure 3	
<u>WST-A0-3A</u>	Retired						3m axial cable	Diagram 3		

Wiring Diagrams

Diagram 1

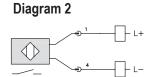


Connectors

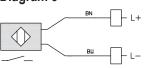
4-pin M12 NPN











4-pin M12 0.3m



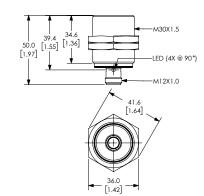
Dimensions

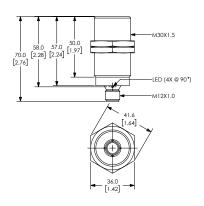
mm [inches]

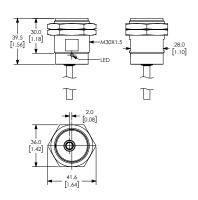
Figure 1



Figure 3







1-800-633-0405 WST Series Weld Slag Resistant Inductive Proximity Sensors

WST Series M30 Inductive Proximity Specifications									
Models	<u>WST-AP-3H</u>	WST-A0-3E	<u>WST-A0-3A</u>						
Mounting Type		Flush							
Nominal Sensing Distance	15mm [0.59 in]	12mm [0.47 in]							
Operating Distance	0 - 12.15 mm								
Material Correction Factors	See the Material Influence table								
Output Type	N.O.								
Operating Voltage	10 to 30 VDC	10 to 36 VDC							
No-load Supply Current	< 10 mA	NA							
Operating (Load) Current		< 100 mA							
Off-state Leakage Current	NA	< 0.6 mA							
Voltage Drop	< 2.5 V								
Switching Frequency	2Hz	25Hz							
Differential Travel (% of Nominal Distance)	3 - 15	1- 20							
Repeat Accuracy	NA								
Ripple	NA								
Time Delay Before Availability (tv)	NA								
Short Circuit Protection	Yes								
Operating Temperature	-40 to 85°C [-40 to 185°F]	-25 to 70°C [-13 to 158°F]							
Protection Degree (DIN 40050)	IP65 / IP66 / IP67 / IP68 / IP69K	IP67							
LED Indicators	Illuminated when energized								
Housing Material	Stainless steel 316L / 1.4404 with anti-spatter ceramic (Polytetrafluoroethylene [PTFE]) coating								
Sensing Face Material	active face: stainless steel 316L 1.4404 anti-spatter								
Shock/Vibration	See Proximity Sensor Terminology								
Weight	0.115 kg	0.135 kg	0.227 kg						
Connection	4-pin M12 quick-disconnect	PUR cable / 0.3 m; 2 x 0.5 mm ² ; with 4-pin M12 quick-disconnect	PUR cable / 3 m; 2 x 0.5 mm ²						
Agency Approvals	cULus E328811, CE								

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.