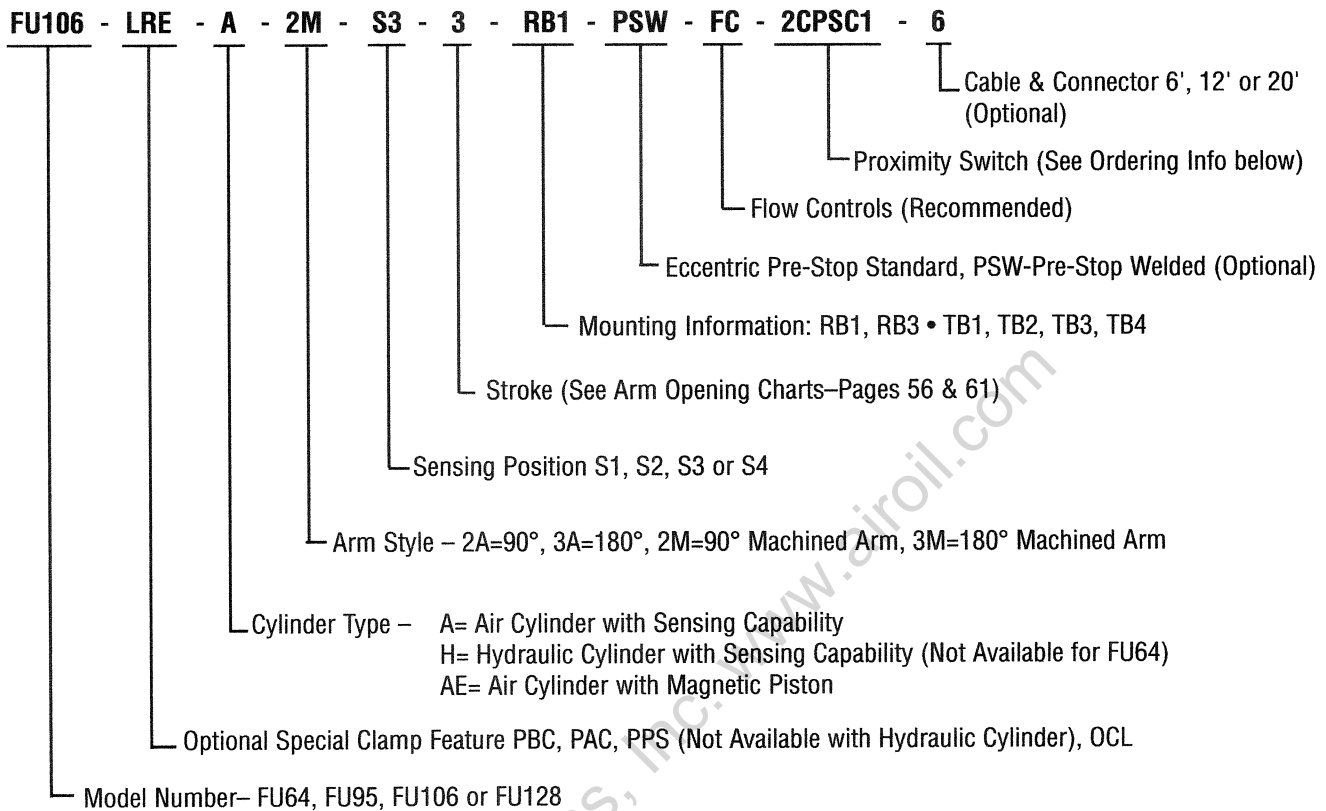


FU Series Clamp

Ordering Information

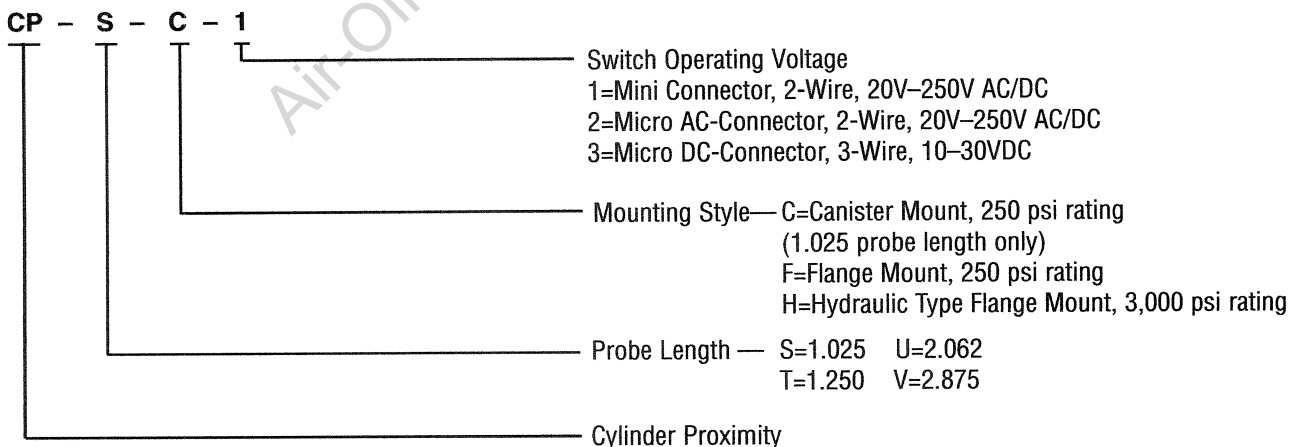
FU Series



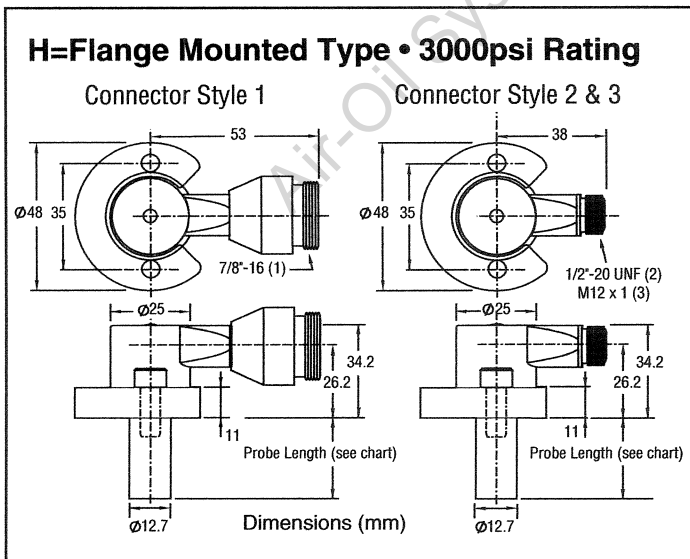
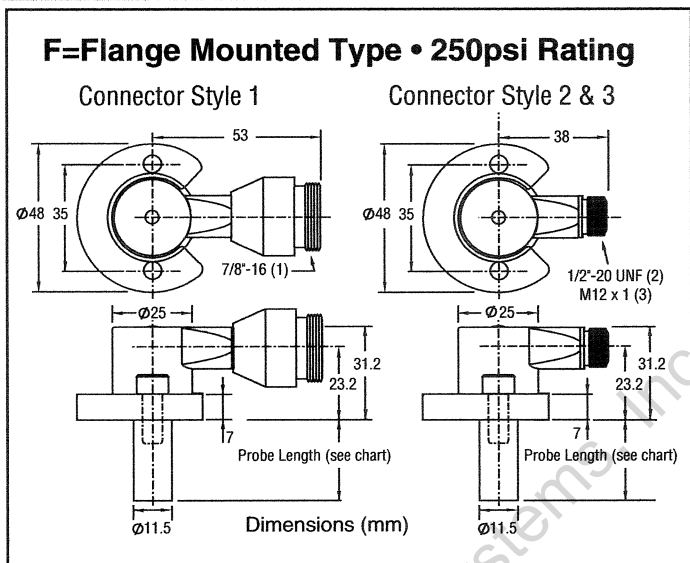
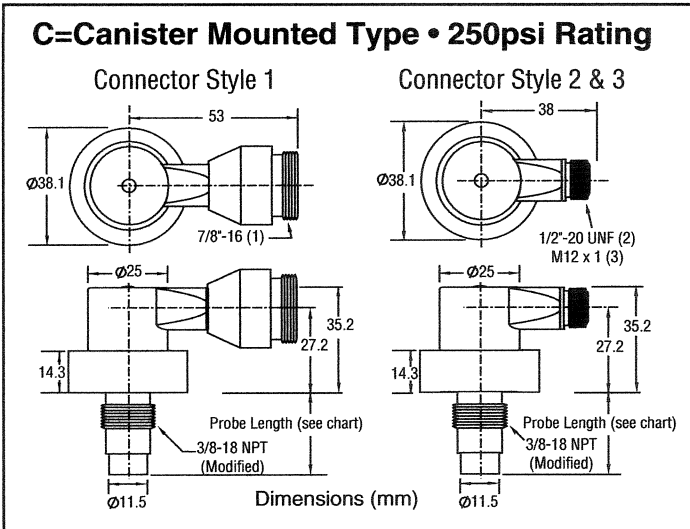
NOTE: It is not necessary to utilize all of the above call outs. You may omit the option if it is not needed.

EXAMPLE: FU95-A-2A-S3-2 is a standard FU96 clamp with no mount, pre-stop, flow controls, proximity switches or cables.

PROXIMITY SWITCH



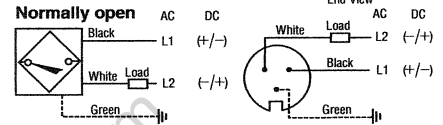
FU Series Clamp Connector Schematics



Mini Connectors

No.1

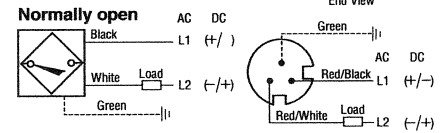
2-wire AC/DC output, self-contained



Micro Connectors

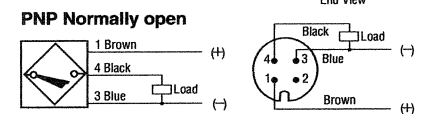
No.2

2-wire AC/DC output, self-contained



No.3

3-wire DC output, self-contained



Probe Length Corresponding Cylinder Bore Size

Probe Length	Corresponding Cylinder Bore Size
S=1.025	1.5", 2.0", 2.5", 3.25"
T=1.250	4.0"
U=2.062	5.0", 6.0"
V=2.875	8.0"

All dimensions in inches



FU Series Clamp

Proximity Switch

Technical Data

		2-Wire AC/DC	ELECTRICAL OUTPUT 3-Wire DC
SENSING RANGE		2.0mm or 3.0mm (to standard target)	
REDUCTION FACTOR			
	Stainless Steel	.85	.70
	Aluminum	.40	.32
STANDARD TARGET		10 x 10 x 1mm Ferrous	
REPEATABILITY		±0.01mm (70 Degrees F) • ±0.3mm (-14 Degrees F to +158 Degrees F)	
HYSTERESIS		≥0.5mm (-14 Degrees F to +158 Degrees F) Target moves transversely to sensor	About 3%
VOLTAGE RANGE		20V-250V AC/DC	10-30VDC
LEAKAGE CURRENT		£1.7mA	—
VOLTAGE DROP (Across sensor)		£7V	£2.0VDC
SWITCHING FREQUENCY		£20Hz	£20Hz
RESPONSE TIME			
	While Target Moves Into Range	£20mS	£20mS
	During Power-up	£80mS	£80mS
MAKE		£3A	—
LOAD CURRENT		£300mA	£200mA
SHORT CIRCUIT PROTECTED		YES	YES
OVERLOAD PROTECTED		YES	YES
SHORT CIRCUIT—OFF CURRENT		>300mA	>200mA
INDICATOR LIGHTS:			
	Power ON	LED (green)	LED (green)
	Output ON	LED (red or yellow)	LED (yellow)
	Short or Overload Condition	Both LEDs (flashing with a frequency of 2 Hz)	
AMBIENT TEMPERATURE		-14 Degrees F to +158 Degrees F	
SHOCK RESISTANCE		£30G T £11MS	
VIBRATION STRESS		f£55Hz @ £11mS	
IMMUNITY TO:			
	Welding	AC — resistance welding 300mT (45000A RMS) DC — welding 25000A	
	Radio Transmitted Fields	from 10MHz-800MHz ≠ 10V/m field strength	
	Electrical Noise	-ICS-230	—
HOUSING MATERIAL		Aluminum	
PROTECTION (IEC)		IP65	
CPS-C (£250psi)	BHM Connection	CP-S-C-1	*NA
	Micro Connection	CP-S-C-2	CP-S-C-3
CPS-F (£250psi)	BHM Connection	CP-S-F-1	*NA
	Micro Connection	CP-S-F-2	CP-S-F-3
CPS-H (£3000psi)	BHM Connection	CP-S-H-1	*NA
	Micro Connection	*CP-S-H-2	CP-S-H-3

*Special Order – Consult Norgren for Delivery.