GEARBOX MODEL (X-AXIS) MPG-014 MRG-014	MCS-PSC-		-S	
RATIO: GEARBOX MODEL (Y-AXIS) MPG-014 MRG-014			L TRAV	<i>R Z-AXIS TRAVEL</i> EL IN INCREMENTS OF 100mm EL LIMITS: 100mm-400mm
RATIO: FOR DIRECT—DRIVE OPTION WITH N	1MKs		TRAV	R Y-AXIS TRAVEL EL IN INCREMENTS OF 25mm EL LIMITS: 500mm-1000mm
(NO GEARBOXES) CHECK HERE:				TR X-AXIS TRAVEL EL IN INCREMENTS OF 25mm
MOTOR INFORMATION (X-AXIS) MANUFACTURER: MODEL:				EL LIMITS: 150mm-5575mm
MOTOR INFORMATION (Y-AXIS) MANUFACTURER: MODEL:	Y—.	Y'-AXIS— AXIS—	— REMOV	ABLE CROSS BEAM
MOTOR INFORMATION (Z-AXIS) MANUFACTURER: MODEL:	48MM MIN BEND RAI	DIUS		
MODEL: (*Z AXIS IS DIRECT-DRIVEN)				
SENSOR INFORMATION X-AXIS: HOME-QTY 244 EOT-QTY 244				
SENSOR INFORMATION Y-AXIS: HOME-QTY 244 EOT-QTY 244	14mm CONNECTING —			48mm MIN BEND RADIUS
SENSOR INFORMATION Z-AXIS: HOME-QTY 244 EOT-QTY 244	 14mm PILLOW BLOCK ASS (FOR SPANS OVER 900mm		MPC	S-014-XXX
(SEE T-SLOT SENSOR KIT SHEET PART NUMBER CONFIGURATION)	T FOR	X-AXIS-	MPG-014-XXX	

APPROVED: _______

DATE: ______

PO:REFERENCE#: _____



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	MACHON	
	DYNAMICS	۱N

	CHECKED BY: ——	DATE:	DD/	/MM	I/YYY
	LAST SAVED BY: TH	DATE:	5/	11/	/2021
	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	TERŚ.	.X .XX .XXX ANG	± ±	.762 .254 .127 0° 30'
7	CUDEAGE EIN			63/	

PHW DATE: 11/26/2017 MATERIAL:

MACRON PSC GANTRY SYSTEM

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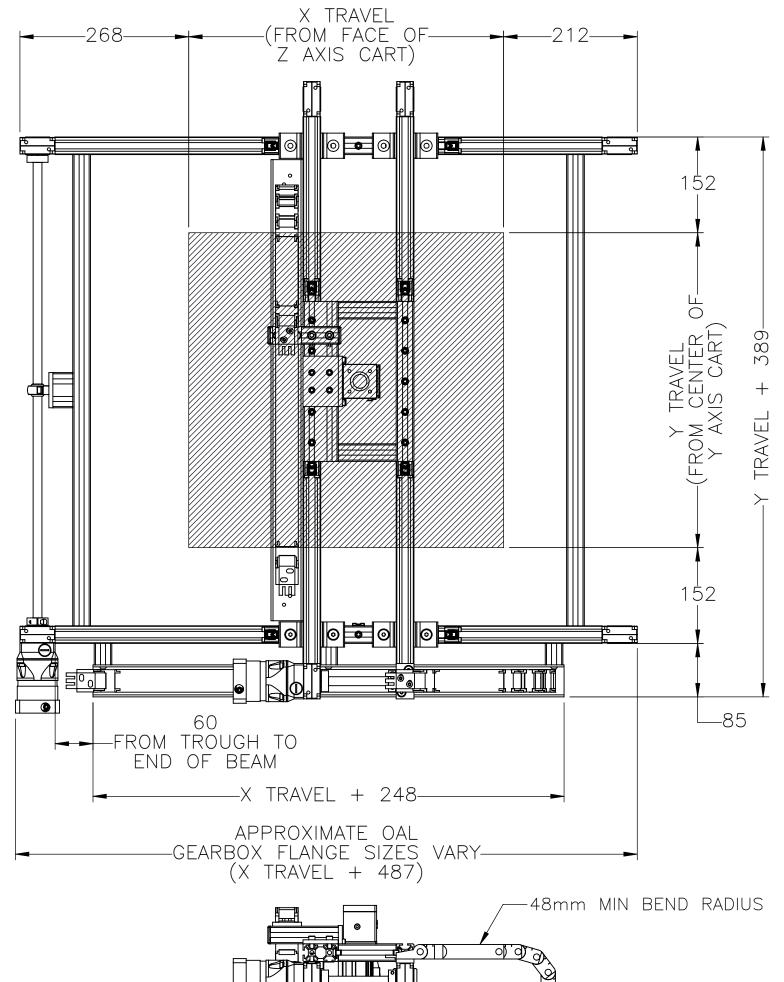
SURFACE FINISH 63/

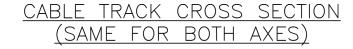
BREAK ALL SHARP EDGES
DIMENSIONAL LIMITS APPLY AFTER FINISHING
THIRD ANGLE PROJECTION

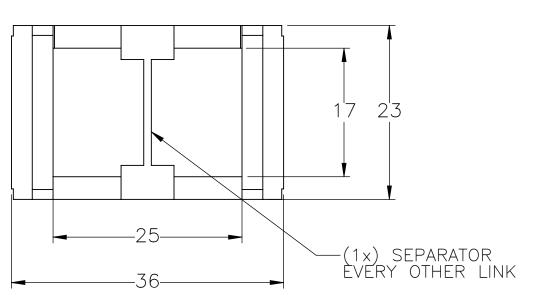
SCALE 1:1 SHEET SIZE C

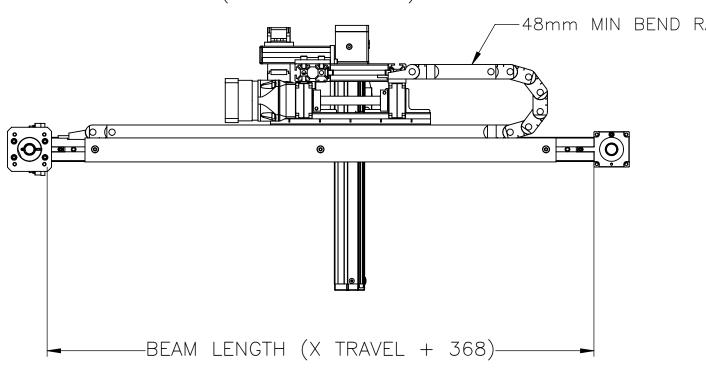
MCS-PSC-XX-YY-Z SCREW

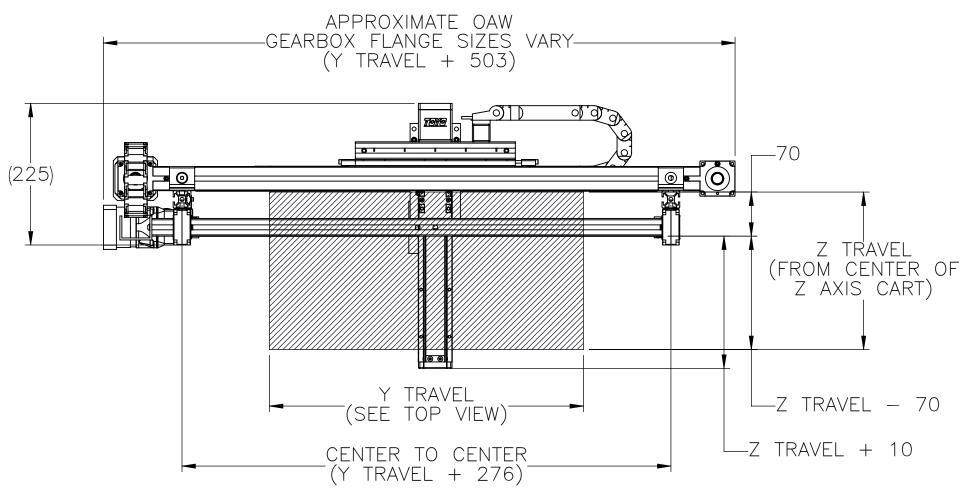
WORK ENVELOPE AND GANTRY FOOTPRINT











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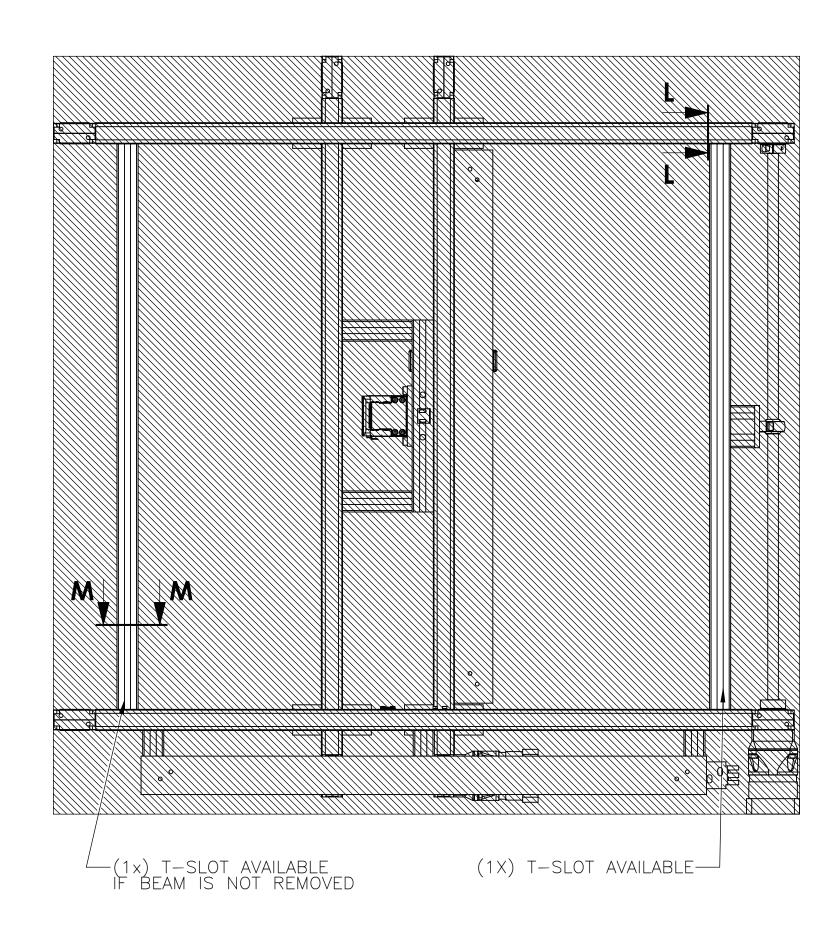
ELECTROMATE

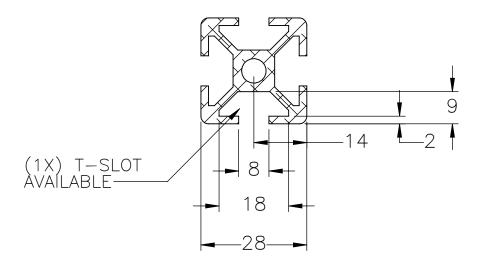
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= <i>=</i>	DRAWN BY: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
=	CHECKED BY: ——	DATE: DD/MM/YYYY				
	LAST SAVED BY: TH	DATE: 5/11/2021				
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CONTAINED HEREIN IS TROTRIETARY AND CONTIDENTIAL	THIRD ANGLE	F PROJECTION		11100 1 00	/// 11 2	0011211

GANTRY MOUNTING FEATURES

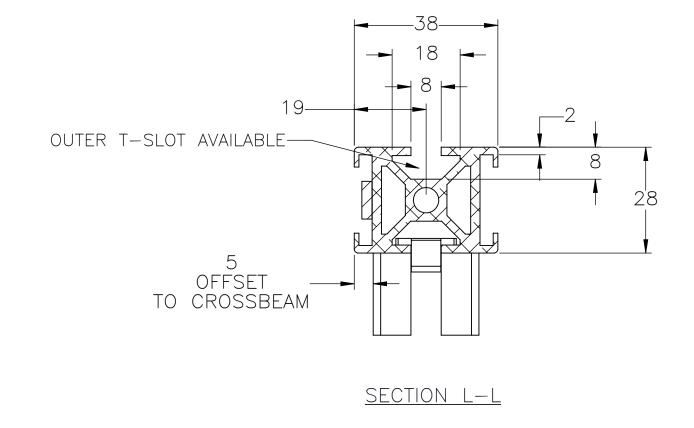


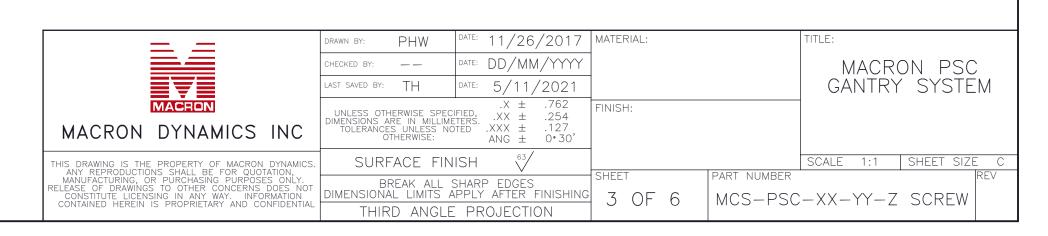


SECTION M-M CROSSBEAM T-SLOT



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REVISION HISTORY REV. **DESCRIPTION** DATE REVISED BY:

GTH5-L --BC-M10B-

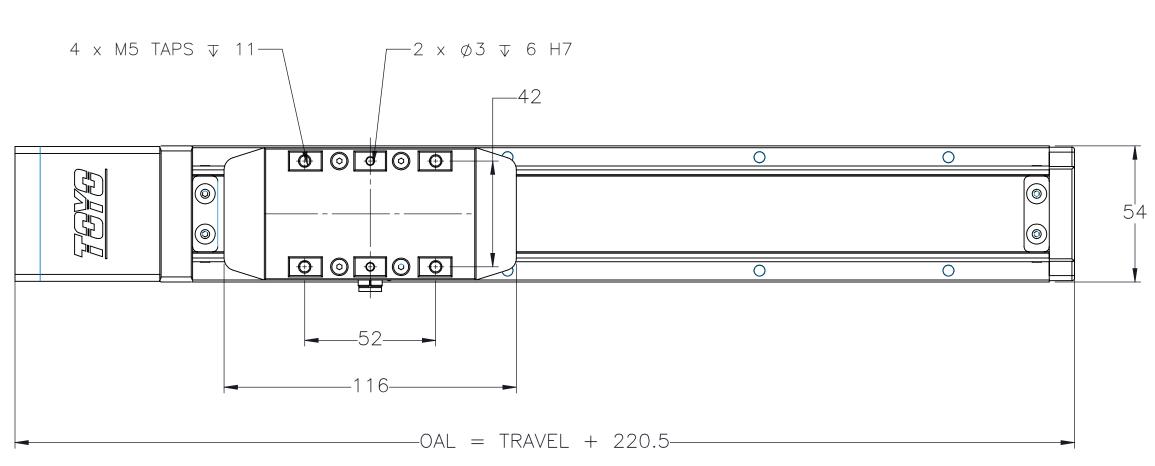
C3 = 1 HOME, 1 LIMIT SENSOR C4 = 1 HOME, 2 LIMIT SENSOR E5 = NO SENSORS SENSOR CODE

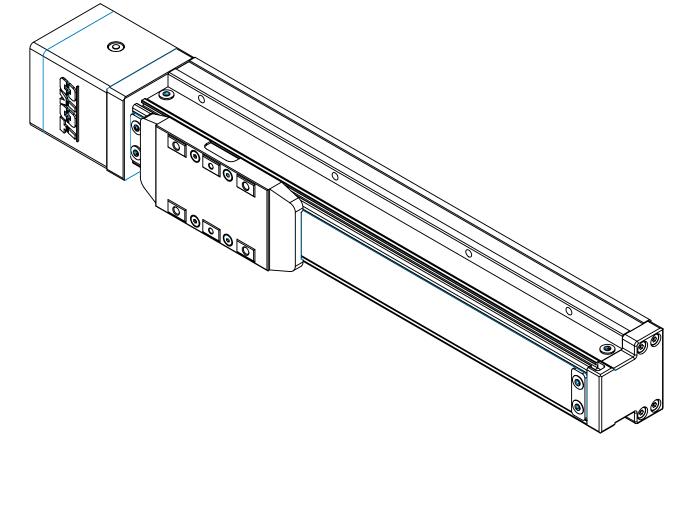
MOTOR CODE

MOTOR POSITION UP

STROKE/TRAVEL (100mm, 200mm, 300mm, 400mm)

BALL SCREW LEAD (5mm, 10mm, 20mm)





MOTOR INFORMATION (Z-AXIS)

MANUFACTURER:_____

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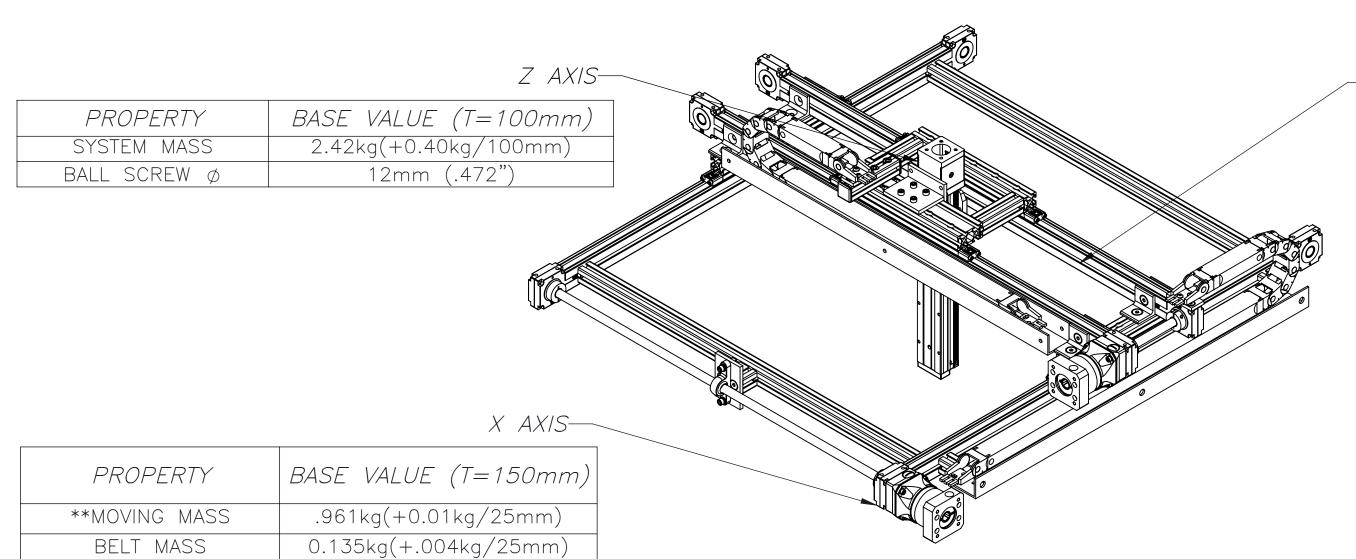
	MACHON	
MACRON	DYNAMICS	INC
	PROPERTY OF MACRON	

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	CHECKED BY: — —	DATE: DD/MM/YYYY				
	LAST SAVED BY: TH	DATE: 5/11/2021			SCREW T	
MACTON MACRON DYNAMICS INC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	.X ± .762 ETERS, .XX ± .254 ETERS .XXX ± .127 ANG ± 0°30'	FINISH:		SELECTIO	N SHEET
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CONTAINED HEREIN IS PROPRIETART AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				

MOTOR SIZING INFORMATION

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)

BASE TRAVELS USED: X-TRAVEL = 150mm Y-TRAVEL = 500mm Z-TRAVEL = 100mm



\vee	AXIS
' /	ANIO

PROPERTY	BASE VALUE (T=500mm)
*MOVING MASS	1.959kg(+0.01kg/25mm)
BELT MASS	0.135kg(+0.004kg/25mm)
*SYSTEM MASS	6.639kg(+0.0952kg/25mm)
PULLEY PITCH Ø	33.42mm (1.32")
PULLEY WIDTH	16.3mm (0.64")
PULLEY MATERIAL	STEEL

*SYSTEM MASS OF Z-AXIS NEEDS TO BE ADDED TO THIS

16.3mm (0.64") PULLEY WIDTH PULLEY MATERIAL STEEL TRAVEL PER REV 105mm ***CONN. SHAFT LENGTH 826 CONN. SHAFT Ø 14mm ***CONN. SHAFT MASS .979 kg(+.029 kg/25 mm)STEEL CONN. SHAFT MATERIAL

33.42mm (1.32")

SYSTEM MASS OF Y-AXIS NEEDS TO BE ADDED TO THIS *BASE VALUE AT Y TRAVEL = 500mm

X-TRAVEL	=	m
Y-TRAVEL		mm
7-TRAVFI	=	mm

NOTE: ALL SUPPLIED MASSES DO NOT INCLUDE CUSTOMER COMPONENTS (MOTORS, CABLES, ETC)

GEARBOX MASS (ADD	MPG-014	1.0kg
TO SYSTEM (MASSES)	MRG-014	3.0kg

SYSTEM MASS

 $(X TRAVEL \times .0038) + (Y TRAVEL \times .0054) + (Z TRAVEL \times .004) + 13.59 =$ kg

ATE: 11/26/2017 | MATERIAL:

DATE: DD/MM/YYYY



AST SAVED BY: TH DATE: 5/11/2021 .X ± .762 UNLESS OTHERWISE SPECIFIED, XX ± .702

UNLESS OTHERWISE SPECIFIED, XXX ± .254

TOLERANCES UNLESS NOTED XXX ± .127

OTHERWISE: ANG ± 0.30'

PHW

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PULLEY PITCH Ø

MACRON DYNAMICS INC

SURFACE FINISH BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION

SCALE 1:1 SHEET SIZE C 5 OF 6 MCS-PSC-XX-YY-Z SCREW

SPECIFICATIONS

Sensor Type	Inductive
Concor Cizo	Fits all 8mm
Sensor Size	wide T-Slots
Operating Voltage	10-30 VDC
Voltage Drop Across Conducting Sensor	≤1.8 V at 100 mA
Number of Conductors (AWG)	3x26 AWG
Temperature Range	-40°C to 105°C

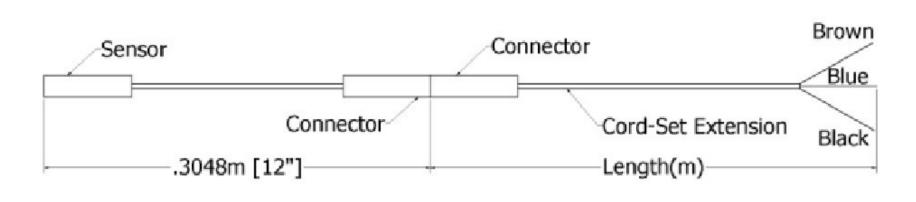
Part Number Configuration

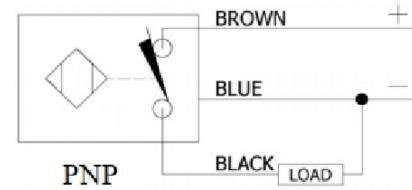
244-_ _ -_ _

PNP or NPN	NC or NO	02	Meters
PNP or NPN	NC or NO	06	Meters
PNP or NPN	NC or NO	12	Meters

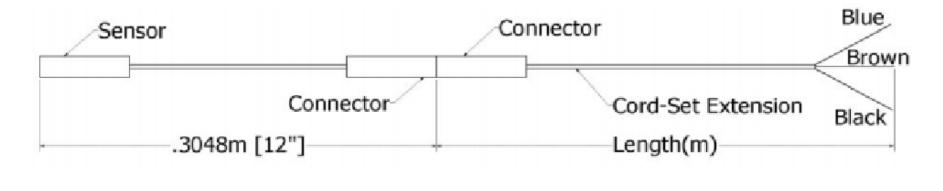
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

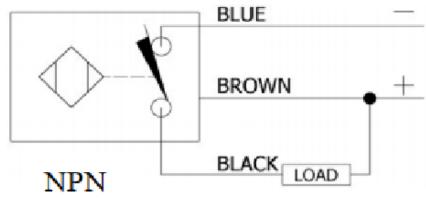
PNP Diagrams

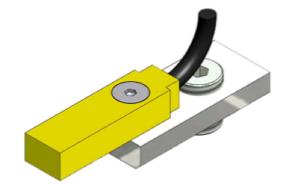


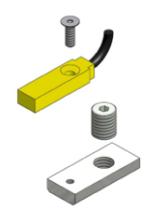


NPN Diagrams









KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

<u> </u>	DRAWN BY: JA DATE: 10/15/2019		MATERIAL:		TITLE:	
	CHECKED BY: — —	DATE: DD/MM/YYYY			T-SLOT	SENSOR
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CONTINUES THE REAL TO THE PARTY AND CONTINUES THE	THIRD ANGLE	PROJECTION				