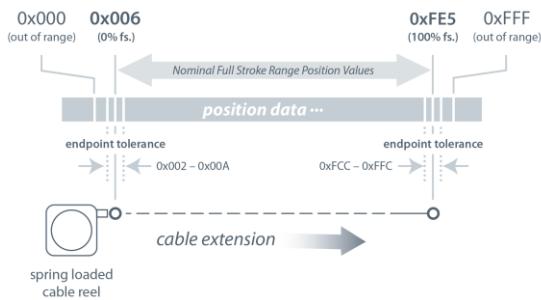


The SKJ is the perfect off-the-shelf linear position sensor for applications ranging from outrigger position on a mobile crane to tracking the height of a hydraulic lift table in a factory and anything else in between. Available in both 250 and 400-inch stroke ranges, this model offers the ultimate ease-of-use, compact design and user flexibility. Need to mount it upside down? Simply rotate its stainless mounting bracket to where you want it. Need the electrical connector to point in a different direction? Just rotate the rear cover to point the connector to the desired direction.

It's compact design, ease of use and the utmost in flexibility makes this model the perfect economically priced solution for both the single piece user to the higher volume OEM.

Output Signal



SKJ

Cable Actuated Sensor J1939 CANBus Output Signal

Linear Position to 400 inches (10 m)

Compact Design • Simple To Install

User Adjustable Measuring Cable Orientation

IN STOCK for Quick Delivery!

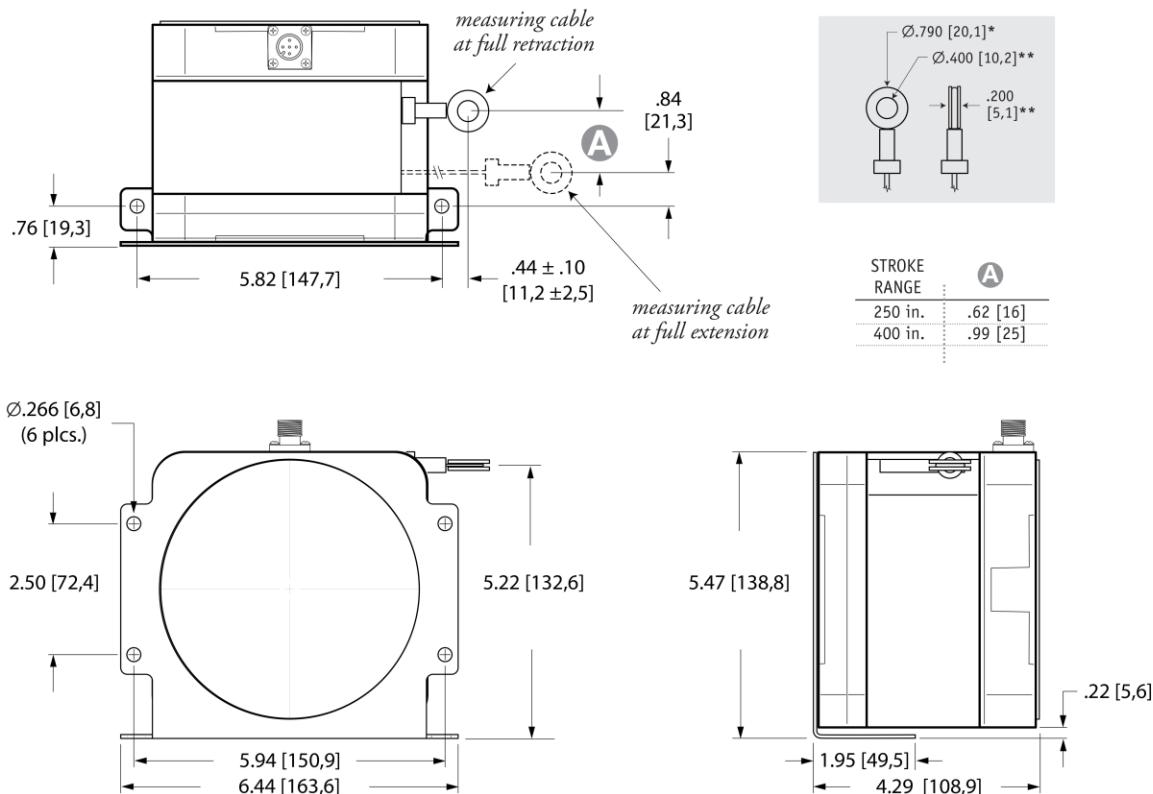
Specifications

Stroke Range Options	250 inches (6.4 m), 400 inches (10.2 m)
Accuracy	.35% FS.
Repeatability	.05% FS.
Resolution	12-bit
Input Voltage	10-36 VDC
Input Current	100 mA, max.
Measuring Cable	.031-inch dia. bare stainless steel
Maximum Cable Velocity	60 inches per second
Maximum Cable Acceleration	5 g
Measuring Cable Tension	23 oz. (6,4 N) \pm 40%
Sensor	plastic-hybrid precision potentiometer
Cycle Life	\geq 250,000
Electrical Connection	M12 connector, mating plug included
Enclosure	glass-filled polycarbonate
Environmental	IP67
Operating Temperature	-40° to 185° F (-40° to 85° C)

CANopen Specifications

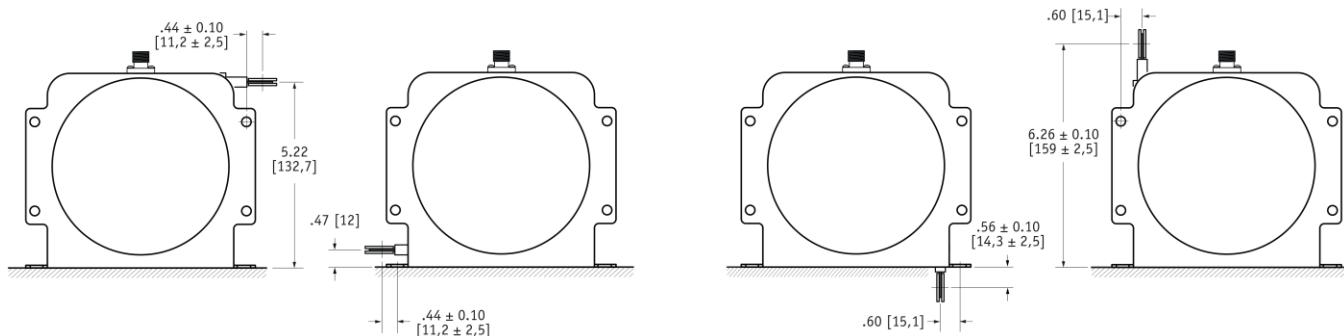
Communication Profile	CANbus SAE J1939
Protocol	Proprietary B
Node ID	Adjustable via dipswitch (0-63), default set to 0
Baud Rate Options	125K (default), 250K, 500K
Data Rate	5ms (default), 20ms, 50ms, 100ms

Outline Drawing



* tolerance = +.005 -.001 [+0,1 -0,0]
 ** tolerance = +.005 -.005 [+0,1 -0,1]

Mounting Options

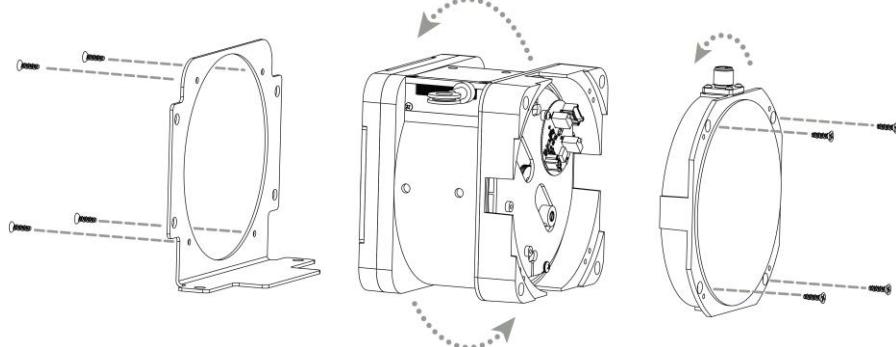


To change cable exit direction:

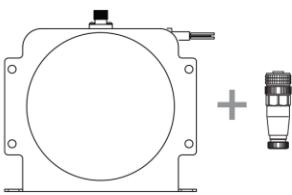
simply remove the 4 bracket mounting screws and rotate sensor body to desired direction.

To change electrical connector orientation:

remove the 4 rear screws and carefully remove the rear cover and rotate cover.



Ordering Information



Part Number	full stroke range	accuracy	max. acceleration	measuring cable tension (± 40%)
SKJ-250-4	250 in (6.4 m)	.35%	5 g	23 oz. (6,4 N)
SKJ-400-4	400 in (10.2 m)	.35%	5 g	23 oz. (6,4 N)

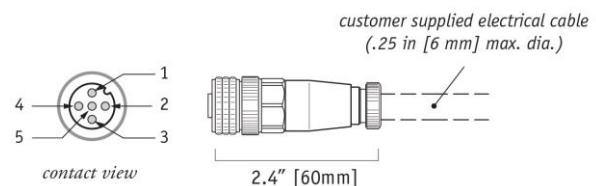
includes mounting bracket & mating connector.

Optional Cordsets	Part Number	length	wire size	connector
	9036810-0030	13 ft (4 m)	22 AWG (.34mm²)	straight 5-pin M12
	9036810-0031	13 ft (4 m)	22 AWG (.34mm²)	90° 5-pin M12

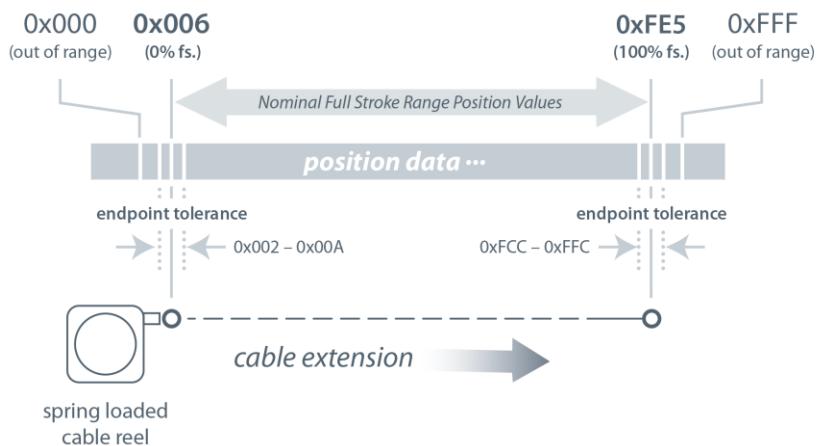
Electrical Connection

Output Signal	field installable connector	optional cordset
	pin	pin - color
n/c	1	1 - brown
10..36 Vdc	2	2 - white
common	3	3 - blue
CAN - High	4	4 - black
CAN - Low	5	5 - green/yellow

Field Installable Connector



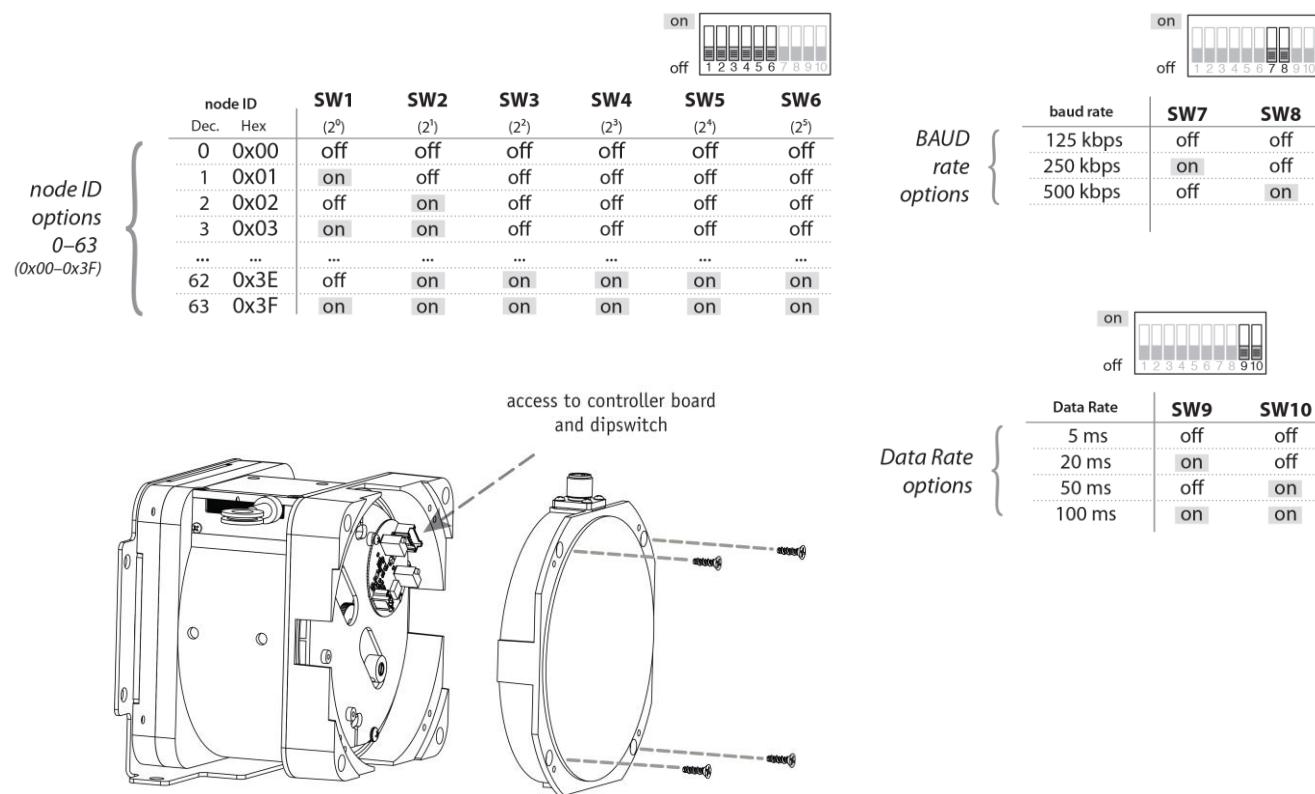
Position Data Overview



Baud, Node ID and Data Rate

Baud Rate, Node ID and Data Rate settings are set via dip switch found on the internal controller board. To gain access to the controller board, remove the 4 cover attaching screws and carefully separate the sensor cover from the main body. Be careful not to damage the small gage wires that connect the controller board to the connector mounted directly to the rear cover.

Follow the instructions below for desired settings and reinstall sensor cover.



NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity company
20630 Plummer Street
Chatsworth, CA 91311
Tel +1 800 423 5483
Tel +1 818 701 2750
Fax +1 818 701 2799
Customercare.chtw@te.com

TE.com/sensorsolutions

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SKJ 12/01/2015

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