

## ELECTRICAL INFORMATION

- Counting star can be used to open the chute a pre-determined distance, or to fine-tune on the fly. A sensor counts the number of teeth as the slider moves. This can be used to remotely determine the open percentage.
- Limit switches are added to make sure that the motor shuts off when reaching its maximum open/close position

### *Counting Star Instructions:*

- Reading distance must be maintained at no more than 3/16". 1/16" to 1/8" is ideal.

# Teeth	25
Travel Distance	18"
# Counts	74
Distance/Count	1/4"

Nominal Sensing Distance	AC or AC/DC	Output Mode	Voltage Range		Operating Frequencies		SCP	Indicator LED ①	Mating Connector Style (see p. 518)	Catalog Number
			AC	DC	AC	DC				
<b>Nickel brass case</b>										
<b>Shielded, 2 m (6.6') cable</b>										
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	no	A	—	XS1M18MA230
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	yes	C	—	XS1M18MA250
<b>Shielded, connector - micro style AC</b>										
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	no	B	17,18	XS1M18MA230K
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	yes	B	17,18	XS1M18MA250K
<b>Shielded, connector - mini style</b>										
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	no	B	23,24	XS1M18MA230A
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	yes	C	23,24	XS1M18MA250A
<b>Shielded, screw terminal connection</b>										
5 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	3000 Hz	no	B	—	XS1M18MA230B
<b>Non-shielded, 2 m (6.6') cable</b>										
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	no	A	—	XS2M18MA230
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	yes	C	—	XS2M18MA250
<b>Non-shielded, connector - micro style AC</b>										
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	no	B	23,24	XS2M18MA230K
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	yes	B	23,24	XS2M18MA250K
<b>Non-shielded, connector - mini style</b>										
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	no	B	18	XS2M18MA230A
8 mm	AC/DC	N.O. ★	24-240 V	24-210 V	25 Hz	2000 Hz	yes	C	18	XS2M18MA250A

### *Limit Switch Information:*

- Should "click out" at fully open and fully closed respectively
  - Loosen nut on top of arm to fine tune "click out" position
  - Test by manually moving slider until you hear the click