#### ORDERING PROCEDURE AND TECHNICAL DATA



FILL IN 4 BLANK SPACES TO SELECT A SWITCH AND TO CREATE ITS PART NUMBER R **REED SWITCH** Н HALL SWITCH 0 SWITCH with permanent 9 foot cable 3 SWITCH ONLY with 8mm male quick connect TYPE **SWITCHING** SWITCHING CURRENT **SWITCHING SWITCHING** VOLTAGE DROP DESCRIPTION **FUNCTION VOLTAGE POWER** SPEED Reed Switch for 5 - 120 VDC/VAC 0.03 Amp Max. 4 Watts 0.5 ms operate 02 SPST Normally 3.5 Volts PLC's w/ LED 50/60 Hz 0.001 Amp Min. Open Max. 0.1 ms release Electronic Hall Sensor. Normally Open 12 Watts 1.5 µs operate 31 6 - 24 VDC 0.5 Amp Max. 1.0 Volts LED. Sourcing PNP output Max. 0.5 µs release Electronic Hall Sensor, Normally Open 12 Watts 1.5 µs operate 32 6 - 24 VDC 1.0 Volts 0.5 Amp Max. LED. Sinking NPN output Max. 0.5 us release

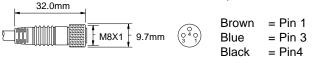
SELECT A SWITCH MOUNTING CLAMP To securely fasten any switch to the cylinder tube choose the proper size stainless steel band clamp from the table below

CYLINDER BORE SIZE	CLAMP PART NUMBER
3/4"	750CLAMP
1 1/8"	112CLAMP
1 1/2"	150CLAMP
2"	200CLAMP
2"	200CL AMP

ORDER SEPARATELY - NOT INCLUDED WITH SWITCH

SELECT A QUICK CONNECT CABLE IF REQUIRED Cable part No. ARC130 fits any Aurora switch with 8mm male quick connect and is 16 feet long

120VAC/DC 4Amp max.



Poles - 3 pole Nominal Volt. Rating - 60 VAC / 75 VDC

Materials - Environmental Resistance - IP67

Black PUR or PVC Cable -Current Rating -4 Amps Housing - $\geq 10^{10} \, \Omega$ Nylon Insulation Resistance -Contact Finish -Au Contact Resistance - $\leq 5 \text{m}\Omega$ Male Contact --25° to 85°C Cu Zn Temperature Rating -

Female Contact - Cu Sn Wire Gauge - .25mm² wire / 24 AWG

SELECT include

SELECT MAGNETIC PISTON When ordering a cylinder along with a switch be sure to include a magnetic piston on the cylinder – see next page.

### **MAGNETIC PISTON**

## Add this option to your cylinder to operate Aurora reed or hall switches

Flexible Nitrile based permanent magnets are suitable for pneumatic and hydraulic service –20°F to +180°F.

Aurora piston magnets are made from high energy material and sufficient mass to create a strong stable magnetic field parallel to the cylinder axis.

All magnets are impact resistant and will retain maximum strength indefinitely.

Magnetic pistons are available in all series Aurora cylinders. They are compatible with most options and usually add 1/2" to cylinder length. Consult ordering procedure options for your choice.



# BREATHER VENTS, MUFFLERS, SPEED CONTROLS





PART	NPT	HEX	LENGTH
ABV-1	1/8	7/16	7/16
ABV-2	1/4	9/16	5/8

Aurora breather vents can be used to vent single acting cylinders gear boxes, etc. where contamination from foreign particles is a problem. The vent is made of sintered bronze fitted to a brass body, and is rated at 40 microns. Threaded construction allows easy removal for cleaning.



PART	NPT	HEX	LENGTH
AM-1	1/8	7/16	1 1/8
AM-2	1/4	9/16	1 3/8

These muffler-filters utilize porous sintered bronze bonded to copper plated steel bodies, and are used to silence exhaust air from the port of cylinders, valves, air tools, etc. The standard filter is rated at 40 microns, and may be removed for cleaning.

### Speed Control Muffler



PART	NPT	HEX	LENGTH CLOSED	LENGTH OPEN
ASC-1	1/8	9/16	1 3/8	2
ASC-2	1/4	5/8	1 9/16	2 3/16

These units provide an infinite variation of metered air flow at an acceptable sound level on exhaust ports of air valves, cylinders, etc. The operating speed of cylinders or air tools may be varied with the adjusting screw, which is locked in place with a locknut. The standard unit contains a 40 micron bronze element on a brass body.

# Hall Effect and Reed Switch Magnetic Sensors

### Aurora quality American made switches with broad spectrum application and durability

