



## Section 19

# Actuators & Controls



## Prisma Pneumatic Actuators



Aluminium



Stainless Steel



Polyamide

MATERIALS LIST	
PART	MATERIAL
Body	Aluminium Rilsan coated both internally & externally
Valve mounting	ISO-5211
Switch mounting	VDI/VDE 3845 NAMUR
Torques for Double Acting @ 5.5 Bar Air supply	15.5 Nm – 4600 Nm
Torques for Spring Return @ 5.5 Bar Air supply	5.5 Nm – 4011 Nm

SPECIFICATIONS	
Design	Atex directive 94-9-EC
Rotation	90 degrees
MAX Working Pressure	8 Bar
Working Temperature	-32 to 90°C
Springs	Pre-loaded & captured
Stroke adjustment	From 85 to 92 degrees
Protection	IP67

Prisma Aluminium Pneumatic Actuators			
CODE DOUBLE ACTING	WEIGHT KG	CODE SPRING RETURN	WEIGHT KG
PRACT-PAW	0.9	PRACTSR-PAWS	1
PRACT-PA00	1.4	PRACTSR-PA00S	1.6
PRACT-PA05	2.6	PRACTSR-PA05S	2.9
PRACT-PA10	3.1	PRACTSR-PA10S	3.5
PRACT-PA15	4.2	PRACTSR-PA15S	5
PRACT-PA20	5.6	PRACTSR-PA20S	6.6
PRACT-PA25	9.3	PRACTSR-PA25S	11.3
PRACT-PA30	12.5	PRACTSR-PA30S	15.9
PRACT-P40	17.6	PRACTSR-P40S	36.4
PRACT-P50	30.7	PRACTSR-P50S	58.4

## Prisma Limit Switch



Prisma Limit Switch
CODE
PRCFC

SPECIFICATIONS	
Material	Polyester coated Aluminium
Protection	IP67
Terminal Connections	8 Terminal connections
Position Indication	Coloured with "Open" or "Close"

## Burkert Solenoid Valve

Burkert Solenoid Valve
CODE
BSV6519

SPECIFICATIONS	
Material	Polyamide or Aluminium
Protection	IP65 with cable plug
Voltage	24 DC, 24/110/230 AC 50-60 Hz
Connections	3/2, 5/2, & 5/3
Port Size	Threaded 1/4"



## YTC Analogue Positioner P/P or I/P

YTC Analogue Positioner
CODE
YTC-1000

SPECIFICATIONS	
Material	Aluminium
Action	Single or Double acting
Input Signal	3-15 psi or 4-20mA
Supply Pressure	140-700 kPa
Air Connections	1/4" NPT
Conduit Entry	G 1/2"
Enclosure	IP66
Weight	2.7 Kg



Options: Open Close Feedback, Position feedback, Dome Cover

## I-Tork Electric Actuators – Rotary Quarter Turn – ITQ Series

I-Tork Electric Actuators	
CODE	
ITAQ	

SPECIFICATIONS	
Voltages	110/220VAC, 1 Ph 50Hz & DC24V
	380/440VAC, 3 Ph 50/60Hz
Sizes – Torques Nm	25-9000
Housing Material	Powder Coated Aluminium
Enclosure	IP67
Limit Switches	Two or Four depending on size
Torque Switches	Two or Four depending on size
Space Heater	Yes
Adjustable Travel Stops	Yes
Manual Override	Yes
Position Indicator	Via large window
Thermal Overload	Yes
Conduit Entry	G 1/2"



Options: Explosion Proof, Watertight, Additional Switches, Potentiometer, Modulating card 4-20mA, Local Control etc

## Limatorque Electric Actuators – Multi Turn – MX Series

Limatorque Electric Actuators	
CODE	
LTMX	

SPECIFICATIONS	
Voltages	3 Ph 380/400/415, 50Hz
	3 Ph 230/380/460/575, 60Hz
Sizes – Torques Nm	46-2307
Thrust Kn	35-333
Housing Material	Powder Coated Aluminium
Standard Enclosures	IP67/IP68
Status Contacts	Four outputs as standard
Display	LCD
Local Controls	Standard
Thermal Protection	Standard
Manual Override	Standard
Diagnostic Menu	Standard



Options include: Modbus Protocol, Foundation Fieldbus, Profibus, Devicenet, Bluetooth, Proportional Control, Position Transmitter, Non Hazardous & Explosionproof Certification