

91MCE27 NOMENCLATURE TREE

91MCE

27-

S

1

B

Q

Connector

Q

4-Pin M12 Connector

Modifications

B

Bottom Exit

P

Plastic Lever/Plastic Roller

Cable Length: (Side Exit)

1

1 Meter cable length

2

2 Meter cable length

3

3 Meter cable length

5

5 Meter cable length

Switch Type

P

1NO/1NC Direct Acting, Snap Action

S

1NC/1NO Direct Acting, Break-before-Make

Actuators

27

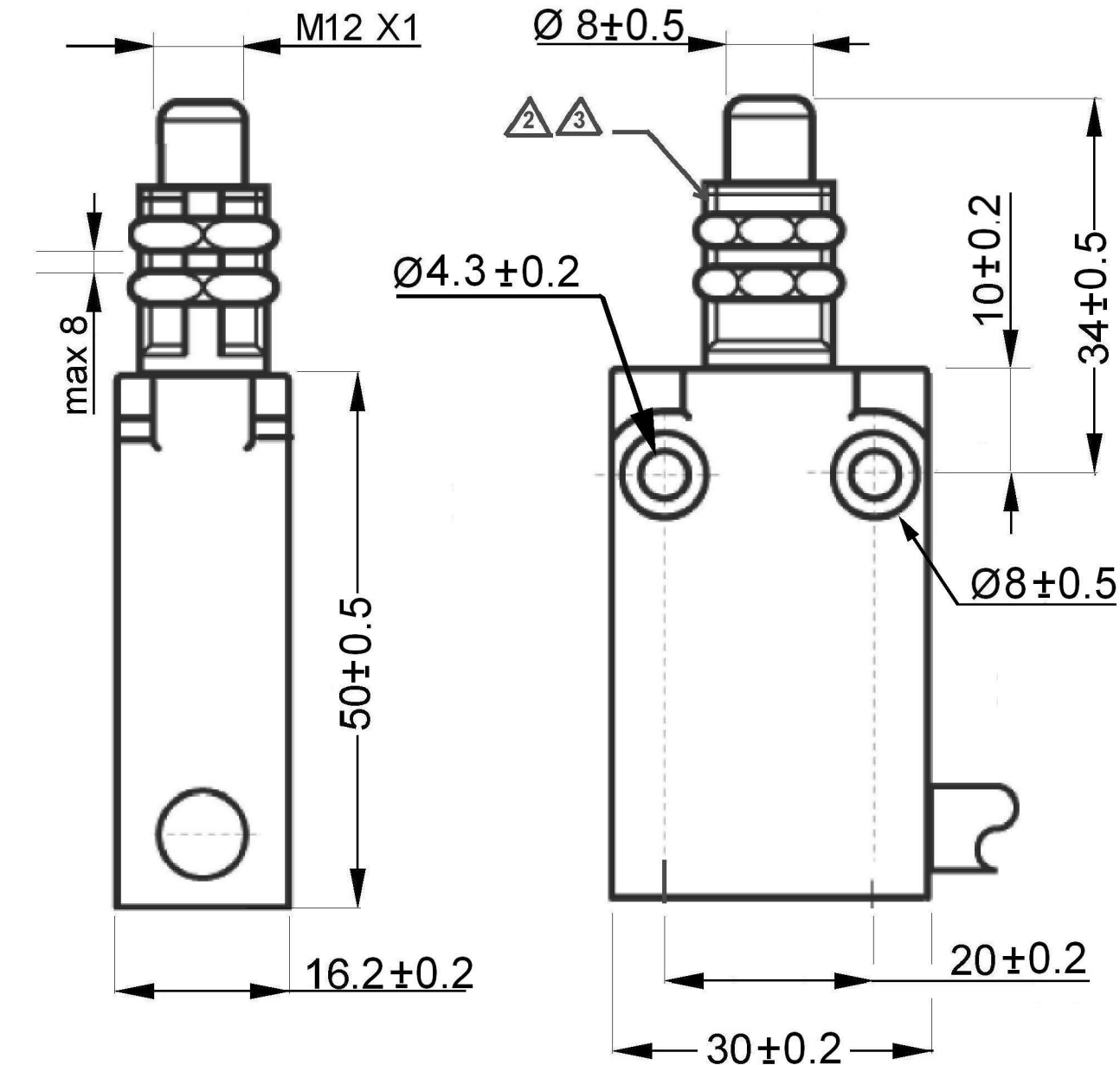
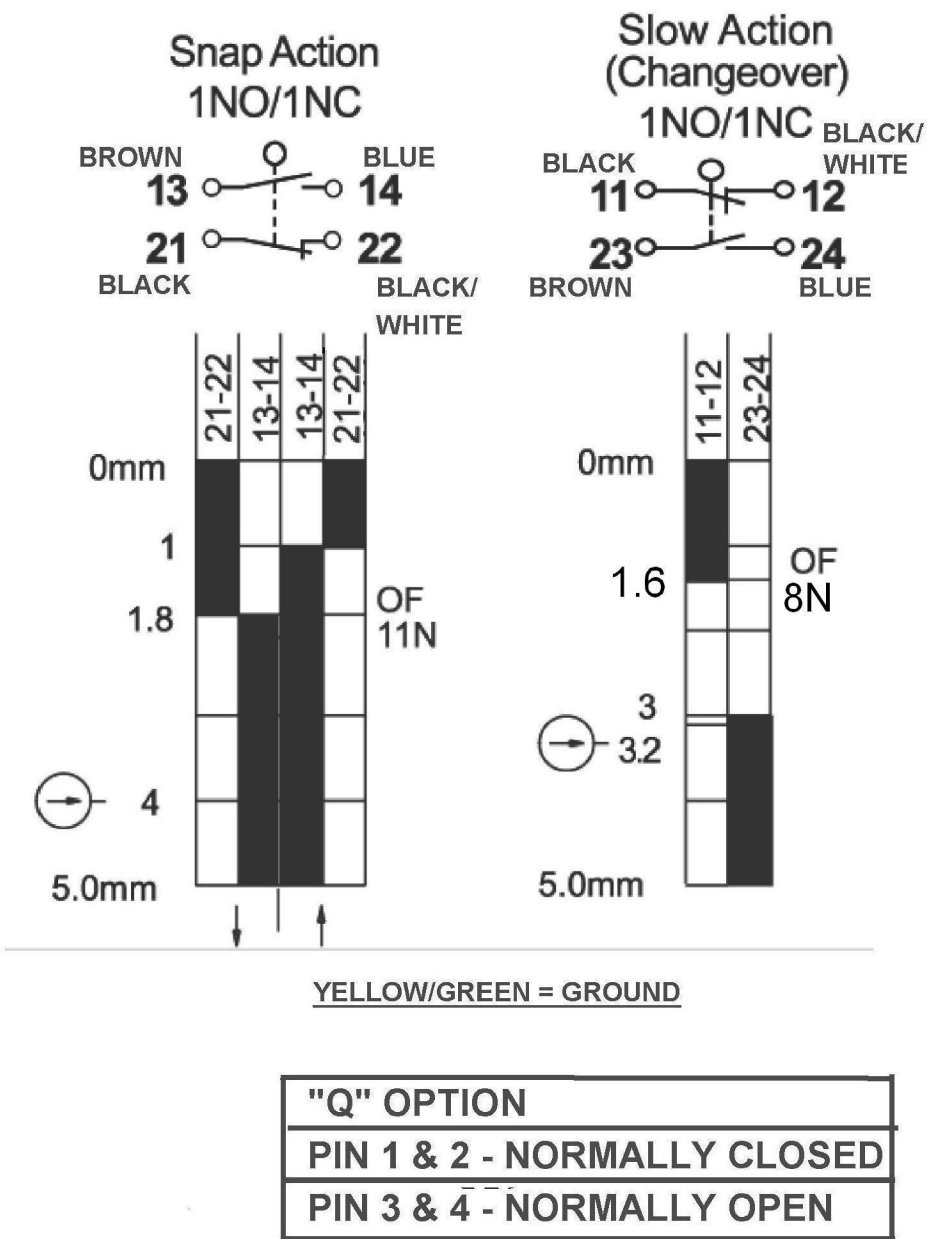
PANEL MOUNT

91MCE Series -

Base

Miniature Compact Enclosed Switches

OPERATING CHARACTERISTICS



- NOTES:
1. DIE CAST HOUSING FINISHED IN BLACK PAINT.
2. SWITCH MOUNTS THROUGH A 12.5 DIA HOLE
3. MAXIMUM PANEL THICKNESS = 8MM

SPECIFICATIONS

Operating Speed	0.05mm-1m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ
Rated Voltage	300V AC (EN60947-5-1)
Rated Thermal Current	Pre-leaded 10A- 3A Connector
Electrical Rating	AC15 A300 DC13 Q300
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 5 x10 ⁷ (operations)
Operating Temperature	-25~+85°C without formation of ice
Humidity	< 95%RH
Cable	5 core, 0.75mm ² (18AWG)
Degree of Protection	IP67

ELECTRICAL RATINGS

IEC60947-5-1 / EN 90947-5-1				
Designation & Utilization Category	Rated operational current Ie (A) at rated operational voltage Ue		VA rating	
	120V	240V	Make	Break
AC15 A300	6	3	7200	720
DC13 Q300	125VDC 0.55	250VDC 0.27	69	69

UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE
+/- 0.15

APPROVALS

UL

US

CE

CCC

DESIGN UNITS: mm	DRAWN	BS	02APR07	Honeywell		
TOLERANCES UNLESS NOTED:	CHECK	PSR	02APR07			
NO PLACE .X ± 0.040	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE COMPACT PRECISION LIMIT SWITCH		
ONE PLACE .XX ± 0.030						
TWO PLACE .XX ± 0.015				SIZE	TYPE	DRAWING NAME
THREE PLACE .XXX ± 0.005				C	I	91MCE27 SERIES CHART1
FOUR PLACE .XXXX ± 0.0005				SCALE	-	SHEET 1 OF 1
ANGLES ° ± 2	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			REV B		
THIRD ANGLE PROJECTION	RASTER					