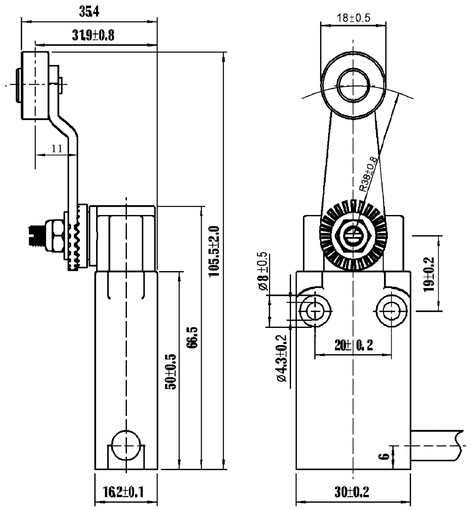
FO-55113-A

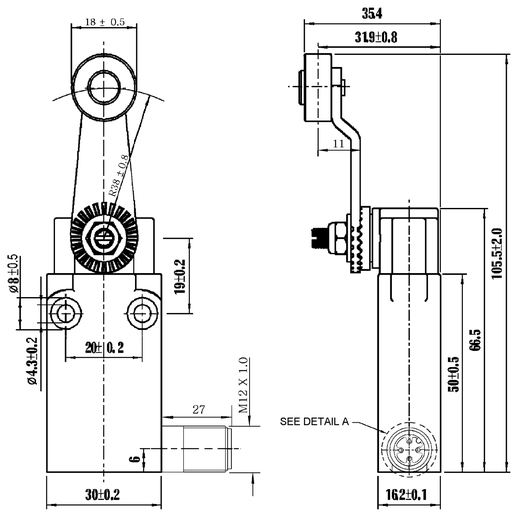
REV	DOCUMENT	CHANGED BY	CHECK
C	0038085	SS 11MAR08	BLR

HONEYWELL PART NUMBER

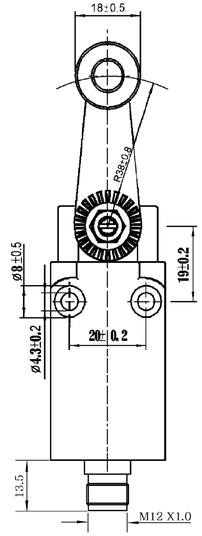
91MCE16 SERIES CHART 1

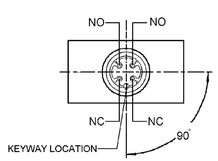


CABLE VERSION
WITH PLASTIC ROLLER

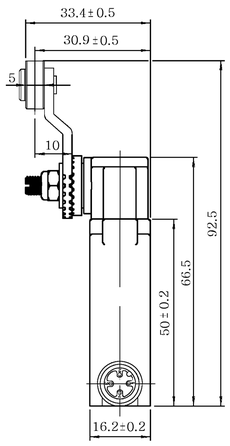


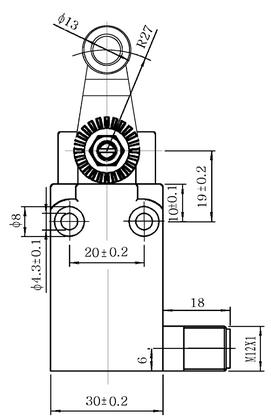
SIDE EXIT CONNECTOR
WITH PLASTIC ROLLER



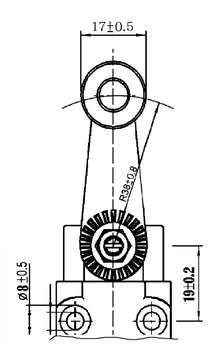


BOTTOM EXIT CONNECTOR
WITH PLASTIC ROLLER

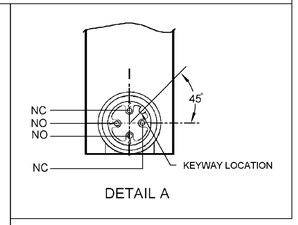




SHORT LEVER VERSION WITH
METAL/ PLASTIC ROLLER



STANDARD LEVER WITH
METAL ROLLER



DETAIL A

91MCE16 NOMENCLATURE TREE

91MCE	16	-	S	1	B	P	

CONNECTOR TYPE
- (blank) CABLE (NO CONNECTOR)
- Q 4- PIN M12 CONNECTOR

LEVER TYPE
- (blank) STANDARD LEVER / METAL ROLLER
- P STANDARD LEVER / PLASTIC ROLLER
- O SHORT LEVER / METAL ROLLER
- OP SHORT LEVER / PLASTIC ROLLER

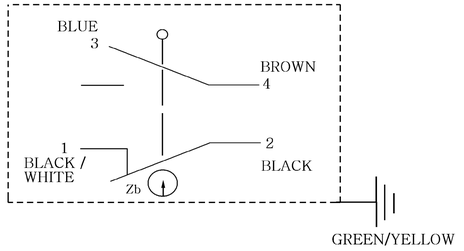
CABLE / CONNECTOR EXIT
- B BOTTOM EXIT
- (blank) SIDE EXIT

CABLE LENGTH
- 1 1 METER CABLE LENGTH
- 2 2 METER CABLE LENGTH
- 3 3 METER CABLE LENGTH
- 5 5 METER CABLE LENGTH
- (blank) CONNECTOR VERSION (NO CABLE)

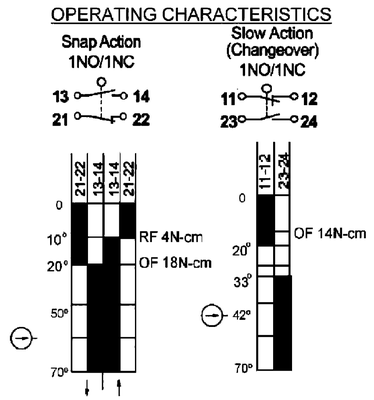
SWITCH TYPE
- P 1NO / 1NC DIRECT ACTING, SNAP ACTION
- S 1NC / 1NO DIRECT ACTING, BREAK-BEFORE-MAKE

ACTUATORS
- 16 SIDE ROTARY W/ METAL LEVER

91MCE SERIES -
MINIATURE COMPACT ENCLOSED SWITCHES



OPERATING CHARACTERISTICS



YELLOW/GREEN = GROUND

SPECIFICATIONS

OPERATING SPEED	0.05mm-1m/sec
OPERATING FREQUENCY	MECHANICAL: 120ops/min ELECTRICAL: 30ops/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 X 10^7 (OPERATIONS)
OPERATING TEMPERATURE	-25~ + 85 C WITHOUT FORMATION OF ICE
HUMIDITY	<95%RH
CABLE	5 CORE, 0.75mm^2 (18AWG)
DEGREE OF PROTECTION	IP67

"Q" OPTION
PIN 1 & 2 - NORMALLY CLOSED
PIN 3 & 4 - NORMALLY OPEN

ELECTRICAL RATINGS

IEC 60947-5-1 / 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
	125VDC	250VDC		
DC13 Q300	0.55	0.27	69	69

NOTES:
1. DIE CAST HOUSING FINISHED IN BLACK PAINT

UNLESS OTHERWISE SPECIFIED	APPROVALS
TOLERANCES ARE +/- 0.15	

DESIGN UNITS: MM
TOLERANCES UNLESS NOTED:

NO PLACE	.X	±	0.040
ONE PLACE	.X	±	0.030
TWO PLACE	.XX	±	0.015
THREE PLACE	.XXX	±	0.005
FOUR PLACE	.XXXX	±	0.0005
ANGLES		±	2

THIRD ANGLE PROJECTION

DRAWN	BS	02APR07
CHECK	PSR	02APR07

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INTERPRET PER ASME Y14.5M-1994
OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY

RASTER

Honeywell

TITLE: COMPACT PRECISION LIMIT SWITCH

SIZE	TYPE	DRAWING NAME	REV
D	I	91MCE16 SERIES CHART 1	C

SCALE NTS

SHEET 1 OF 1