



		AVAILABLE LOCKING	CIRCUIT MADE 5 WITH TOGGLE LEVER IN			M 31NT91 SERIES CHART 2	
ELECTRICAL DATA	CATALOG 4	COMBINATIONS FOR CONFIGURATION	KEYWAY	CENTER	OPPOSITE	SPECIFICATION DETAILS:	
	S	EE LETTERED DETAI	LS SIDE (1-2)	(-2)	K E Y W A Y (2-3)	STANDARD:	
L191 15A 125, <u>250</u> , 277 VAC	3 NT 9 - A	,B,D,E,F,G,H,J K,L,M,N		OFF	ON	CONCIDUCTION	
1/2HP 125 VAC	3 I N T 9 I - 2	D, F, G	OFF	NONE	ON	CONSTRUCTION: ENCLOSURE DESIGN	ENVIRONMENTALLY SEALED
1HP <u>250</u> , 277 VAC 5A 125 VAC "L"	3 NT9 - 3 3 NT9 - 2	D, F, G E, F, K, M	ON NONE	NONE OF F	ON ON	CONTACT MATERIAL & CONFIGURATION	SILVER CAD OXIDE CONTACTS
71 @	31NT91-31	E,F,K,M	NONE	ON	ON	CIRCUIT CONFIGURATION	SEE "CIRCUIT MODE" CHART
L192 10A 125, <u>250</u> , 277 VAC 1/4HP 125 VAC, 1/2HP <u>250</u> , 277 VAC C E 3A 125 VAC "L"	3 N T 9 - 4	F	MOM OFF	NONE	ON	TERMINATION	QUICK CONNECT
	3 NT9 - 5 3 NT9 - 6	E,F,K,L,M,N	MOM ON MOM ON	OF F NONE	ON OF F	WEIGHT	I5 LB APPROX
	31NT91-7	 E , L , N	MOM ON	OFF	MOM ON	EXPOSED METALS	
3A 125 VAC "L"	3 I N T 9 I - 8	F	MOM ON	NONE	ON	ELECTRICAL CHARACTERISTICS:	
78 6	3 NT9 - 5	<u> </u>	NONE	ON	MOMON	ELECTRICAL RATINGS	LOAD
	31NT91-61	<u> </u>	MOM ON	OFF	NONE	- - - - - -	VOLTAGE INDUCTIVE RESISTIVE MOTOR
	"A"					-SEA LEVEL -50,000 FEET	28 VDC 28 VDC SEE ELECTRICAL DATA
						DIELECTRIC STRENGTH & INSULATION RES	DIELECTRIC STRENGTH INSULATION RESISTANCE
	LOCKED IN CENTER AND THREE EXTREME PO	N LOCKED OUT	LOCKED IN LO	CKED IN ME_POS. EX	LOCKED IN	DIEZZOINIO OINZINOIN GINOSZIIII NZO	≈ 60 Hz FOR 5 SEC)
	THREE EXTREME POSITIONS	S OF CENTER POSITION	CENTER EXTRE POSITION (OPP.	[ME POS. E) kfyway) (k	XTREME POS. (EYWAY SIDE)	-BETWEEN TERMINALS AND EXPOSED	1000V RMS, 500AA (MAX LKG) N/A
	CKEYWAY SI)E)				NON-CURRENT CARRYING METAL	
		"K"	'L" 👝 "M" ,	<u> </u>	\"	-BETWEEN TERMINALS OF MUTUALLY	ا المسر (MAX LKG)
						INSULATED CIRCUITS	1000V RMS, 500µA (MAX LKG)
	LOCKED OUT OF LOCKED OUT	OF LOCKED IN	OCKED OUT OF LOCKE	O OUT OF	OCKED OUT OF	-BETWEEN ALL UNCONNECTED TERMINALS	1000V KMS, 300 AA (MAX LNG)
	LOCKED OUT OF LOCKED OUT CENTER AND CENTER A EXTREME POS. EXTREME POSCIONEL (OPP. KEYW	ND CENTER AND 1 OS FXTREME POS 1	EXTREME POS. FXTRI	ND INIO E	OCKED OUT OF EXTREME POS. OPP. KEYWAY)	OF THE SAME POLE	N1 / A
	(KEYWAY SIDE) (OPP. KEYW	AY) (OPP. KEYWAY)	(KEYWAY SIDE) (OPP.	KEYWAY)	OPP. KEYWAY)	SWITCH RESISTANCE RECOMMENDATION FOR USE IN APPL LESS	N / A
	"P"				THAN .5 amps AND/OR 12 volts	NOT RECOMMENDED	
	"P"				MECHANICAL CHARACTERISTICS:		
	LOCKED OUT OF					COINCIDENCE OF OP AND REL POINTS	N / A
	AND INTO EXTREME POS.					OPERATING FORCE	N / A
	(KEYWAY SIDE)					FULL OVERTRAVEL FORCE	N / A
			 0	1.1		RELEASE FORCE	N / A
		. 05 —		. 078	8	PRETRAVEL	N / A
		o l	.392			DIFFERENTIAL TRAVEL OVERTRAVEL	N / A N / A
		° 4			((MOUNTING STRENGTH	25 IN-LBS
						ACTUATOR STRENGTH	25 LBS THROUGHOUT RANGE
	→ (.0 8)	. 040		-	. 56	LIFE:	
		··· 	Ø .72 -		^	MECHANICAL LIFE	40,000 MIN
	LOCKWASHER 3	LOCKING F	RING 3	2X HEX N	IUT /3	ELECTRICAL LIFE AT FULL RATED LOAD	20,000 MIN
		I				ENVIRONMENTAL:	
						TEMPERATURE RANGE	-40° C TO +71° C
						ALTITUDE RANGE SHOCK	N / A
						VIBRATION	N / A N / A
						MOISTURE RESISTANCE	N / A
						THERMAL SHOCK	N/A
						SALT SPRAY	48 HRS

I - SWITCHES ARE CAPABLE OF WITHSTANDING A TEMPERATURE OF 160° F CONTINUOUSLY AT FULL RATED LOAD

2 - MICRO SWITCH CATALOG LISTING MARKED ON SIDE OF SWITCH 3 FURNISHED UNASSEMBLED

4 SUFFIX LETTER MUST BE ADDED FOR DESIRED TYPE OF TOGGLE LOCKING, SEE CHART FOR AVAILABLE LOCKING COMBINATIONS

APPLIES ONLY TO "ON" AND "MOM ON" POSITIONS
FROM BOTTOM OF KEYWAY TO MAJOR Ø OF 15/32 THREAD

DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH. ONE PLACE (.0) +.030 TWO PLACE (.00) +.015 THREE PLACE (.000) +.005

FED. MFG. CODE 91929 MICRO SWITCH a Honeywell Division

SWITCH - TOGGLE

CATALOG LISTING 31NT91 SERIES CHART 2

ANSI YI4.5M-1982 APPLIES