



W. Schmid AG

LED-Technology
the visible difference

L Serie



Feature -

- good actuation feeling
- full color LED illuminated available
- long electrical life cycles
- SPDT or DPDT, lock / non-lock function

Application -

- instrumentation
- communication equipments

SPECIFICATIONS

Switch Specifications	
POLE - POSITION	ON - < ON > for Momentary Type , ON - ON for Self - Lock Type SPDT , DPDT
CONTACT RATING	SEE CONTACT MATERIAL
CONTACT RESISTANCE	50 mΩ MAX. (SILVER CONTACT) ; 100 mΩ MAX. (GOLD PLATING CONTACT) , 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown Is not Allowable ; 1000 V AC for 1 Minute
OPERATING FORCE	200 ± 100 gf (SPDT) 300 ± 150 gf (DPDT)
OPERATING LIFE	200,000 cycles (SILVER CONTACT) 200,000 cycles (GOLD PLATING CONTACT)
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	2.2 ± 0.2 mm

Switch Specifications		Value / LED Color			
 ATTENTION LEDs are Electrostatic Sensitive devices	Unit	Value / LED Color			
		Red	Yellow	Green	Blue
FORWARD CURRENT	If	mA	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	1.7-2.2	1.7-2.2	1.8-2.4
LUMINOUS INTENSITY@20mA	Iv	mcd	230	230	410

Physical and electrical information of LED will be provided upon customer's request on switches .

HOW TO ORDER

L	-	MH	1	P	N	R	3	R	3	Q	-																																																																										
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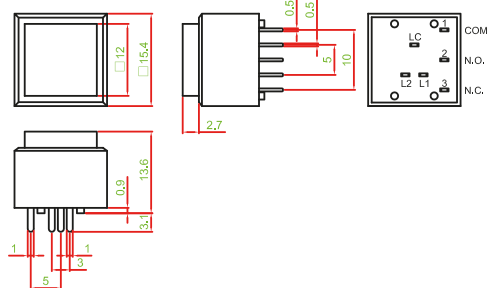
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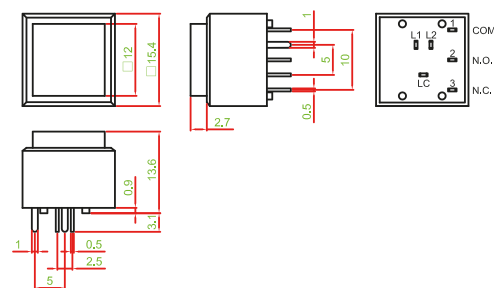
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► Dimension & Frame Type

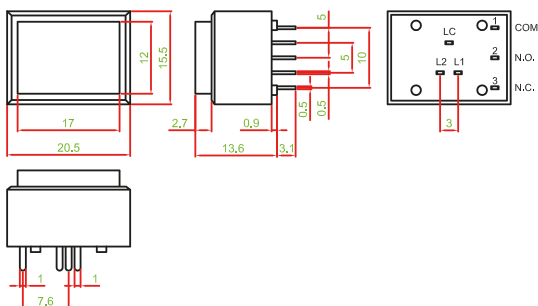
L - S1PN □ □ □ □ Q



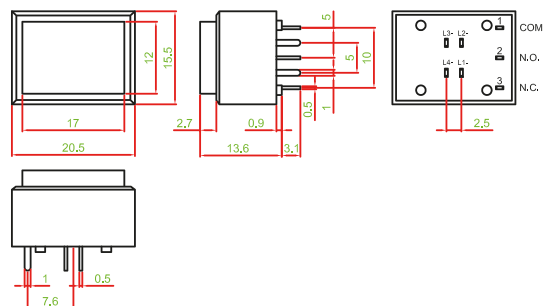
L - ML1PN □ □ □ □ Q



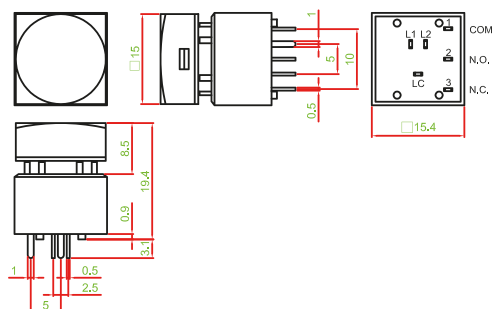
L - B1PN □ □ □ □ Q



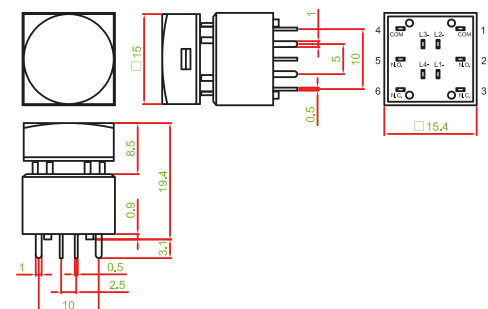
L - B1PN-RGB-Q



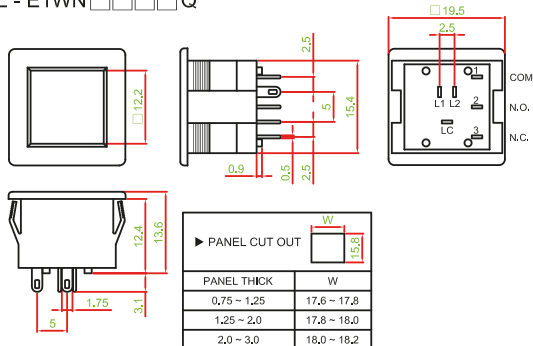
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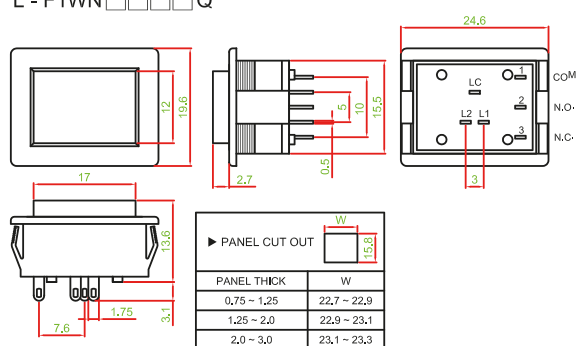
L - MH2PN-RGB-Q



L - E1WN □ □ □ □ Q



L - F1WN □ □ □ □ Q





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	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DSK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROD
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE					
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF		USER A	USER B	USER C	USER D	USER E	USER F	USER G	USER H	USER I
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J								M-1	
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save										
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-							IN PORT	SOS		TC
H	ESC	BC.	HOME	Health	D-LED 2	OC GENIE	VIDEO INPUT	clr CMOS	Green Power	Save OK	P1	P2	P3	P4	P5	DC	AC			TURBO
I	B/R +	Undo Cancel	T/L -	F1	F2	F3	F4	F5	F6	F7	SEEK	TRACK	RNA	AS/RPT	Select		SET	ON	OFF	UP
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3						ON AIR		D.	M.	
K	IN 4	IN 5	IN 6												HDMI	VGA				
L	+	-										MON	ITEM	C/S	GAS	PUMP ON/OFF	PURGE	R/H/R	PARL	IOD
M											FILL	LO RANGE	MID RANGE	MID	HI RANGE	GPD	EFF LEVEL			
N																				
O																				
P							Config.	TIME LINE	ME1	ME2										
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT	WIPE											
R	⏮	ALL		VP		COPY		RECORD MODE												
S			MUTE		Multi BIOS															
T		hold	group	m1	m2	m3	m4	m5	t1	t2										
U	s1	s2	chair	undo	redo	touch	store	recall	e1	e2										
V	e3	e4	OC			CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP										
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Disp	MF	CALL	.	BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										