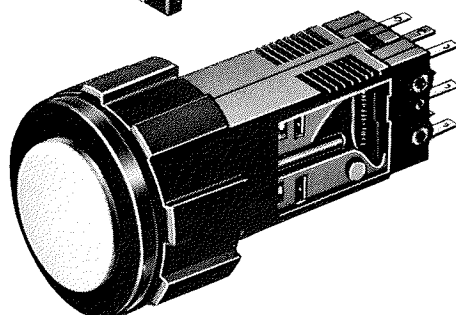
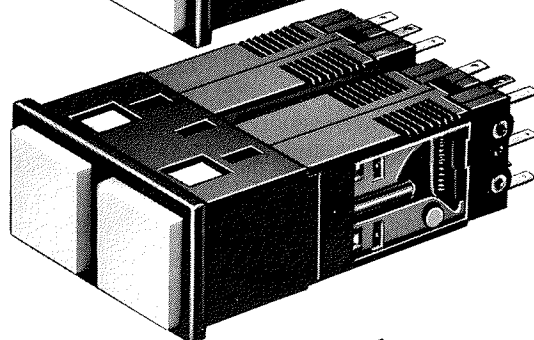
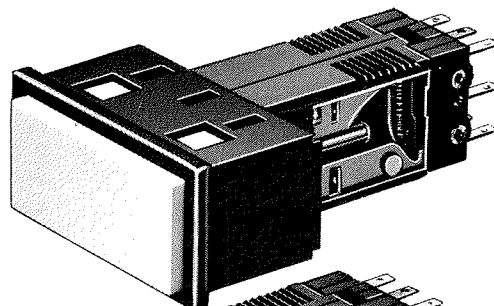
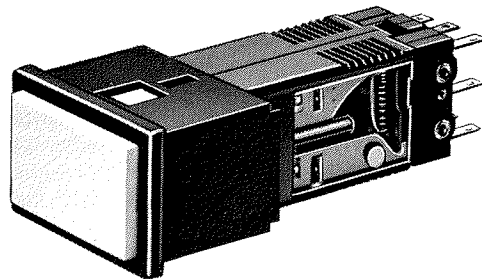
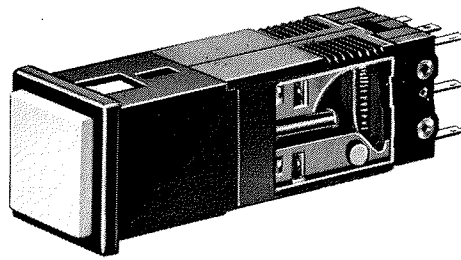


**Lighted Pushbutton Switches  
and Indicators**

**240, 360, 360 r, 480  
481 and 482**



**Lighted Pushbutton Switches  
and Indicators**

**240, 360, 360 r, 480  
481 and 482**

**Application:** The combination of momentary or alternate action switch modules and the complete freedom in the arrangement of different switch types to one assembly make these devices ideally suited for control and indicating applications.

**Design:** The black plastic housing for the three basic types contains the display unit and the switch modules. The switch modules employed for all three types are identical.

The front dimensions 24 x 24 mm, 24 x 36 mm and 24 x 48 mm (standard instrument dimensions) as well as equal bezel width for all housings allow a combination of the switch types 240, 360, 480, 481 and 482 in one assembly.

The special feature of the illuminated pushbutton switches is their switch module. For highest reliability and greatest switching capacity, the switch module is designed with spring action contacts.

Further, the essential advantage of the lighted pushbutton switches is the fact that types 240, 360 and 481 can accommodate two lamps and types 480 and 482 up to four T 6.8-lamps with individual circuits. This feature permits dual status indications. All switches can be equipped with special cable clamps.

The solder-tags with lugs for two cores are also suitable for plug connection 2,8 mm x 0,5 mm.

**Technical data:**

**General data:**

protection type	IP 40 according to DIN 40050
isolation group and series voltage	group C, 250 V DC/AC (VDE 0110/11.72)
test voltage	2 kV, 50 c/s (VDE 0660/8.69)
button colours	white, red, yellow, green, black, blue, clear,
legend	max. 3-lined
connection	solder joint or plug connection 2,8 mm x 0,5 mm
mounting position	optionally
service life	15 · 10 <sup>6</sup> operations

**Contacts:**

switching voltage max.	250 V, 50 c/s i.e. 250 V DC
breaking current max.	
at AC	6 amps
250 V, 50 c/s, cos φ = 1	
at DC	
(ohmic load)	
at DC	
inductive load $\frac{L}{R} = 10 \text{ ms}$	

V	24	48	60	110	220
A	5	1	0,7	0,3	0,15

V	24	48	60	110	—
A	2	0,5	0,35	0,15	—


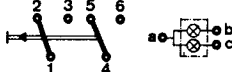
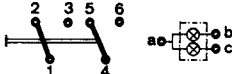

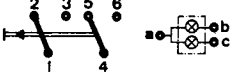
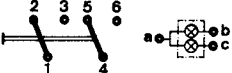


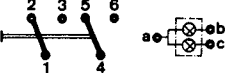
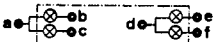

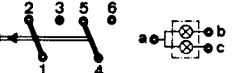
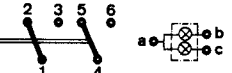
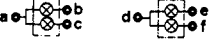
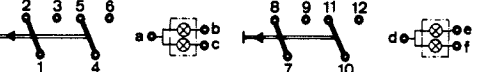
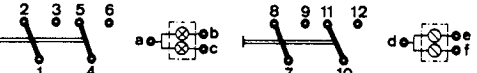
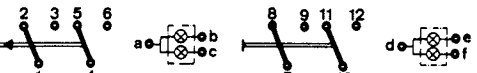
**Lamps:**

lamp voltage max.	60 V
	For lamp voltages exceeding 60 V a resistance (externally) is necessary.
	per lamp 1,2 W
lamp capacity max.	2 lamps T 6.8
lamp arrangement max.	(only one lamp energized at a time)
for type 240, 360, 481	4 lamps T 6.8
	only one lamp per button energized at a time)
for type 480, 482	

**Lighted Pushbutton Switches  
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**Diagrams:**

Type	Diagram No.	Diagram
L 240	-010	
LT 240	-030	
LS 240	-040	
L 360	-010	
LT 360	-030	
LS 360	-040	
L 360r	-010	
LT 360r	-030	
LS 360r	-040	
L 480	-020	
L 481	-010	
LT 481	-030	
LS 481	-040	
L 482	-021	
LT 482	-110	
LS 482	-130	
LTS 482	-150	

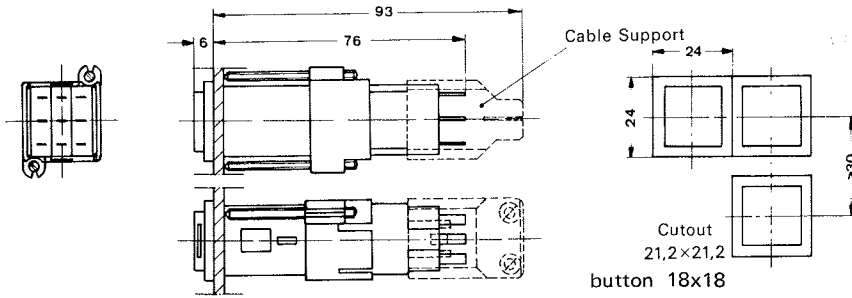
**Lighted Pushbutton Switches  
and Indicators**

**240, 360, 360 r, 480  
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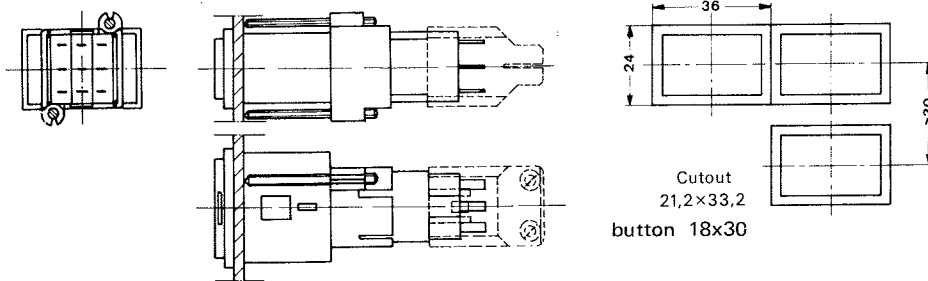
**Dimension Prints:**

Type

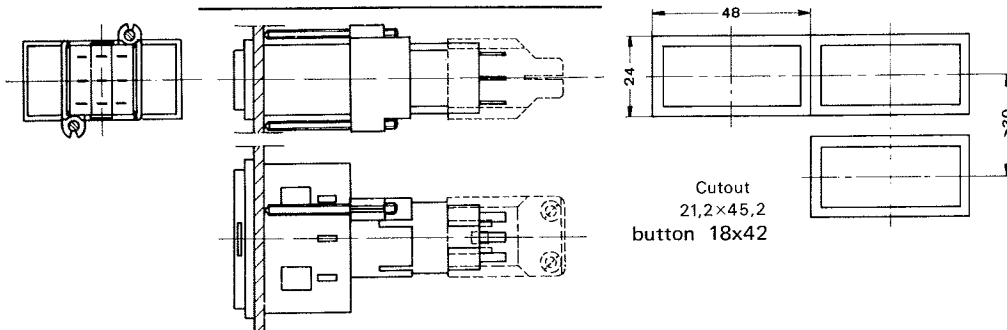
240



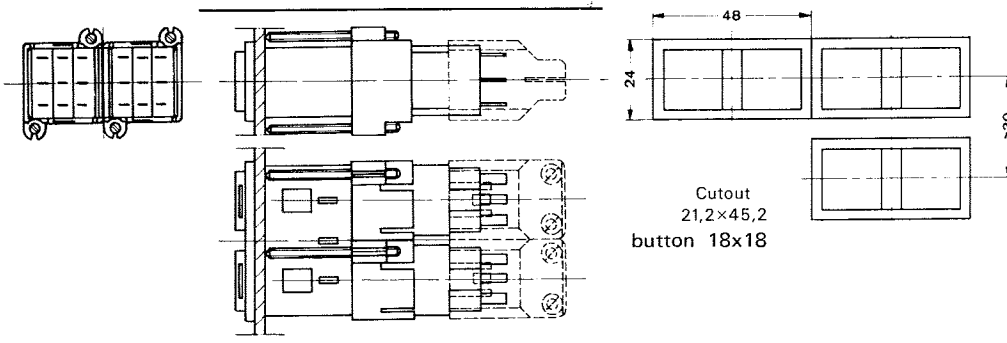
360



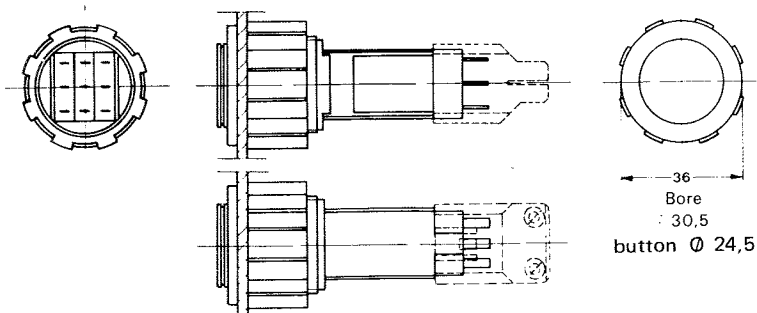
481



482



360 r



all dimensions in mm.