

TI2

TI2

Panel cut-out (mm) Ø 16.2 or Ø 22.5

Characteristics

- illuminated
- sealed IP40, IP65 or IP67
- wide range of bezels
- midjet grooved lamp/LED

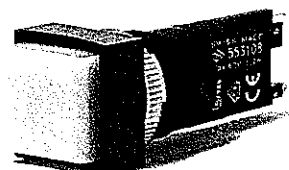
Rating max. 60 VAC/VDC

Dimensions (mm)

18 × 24
18 × 18
Ø 18
Ø 25

Actuator ■ lenses in different shapes and colors

Approvals UL, CSA, VDE



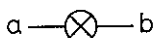
Popular products

Ordering Reference	Panel cut-out (mm)	Function	Actuator style (mm)	Environmental Protection
TI21VAAF4CN	Ø 16.2	Visual	18 × 24	IP40
TI22VF4AF4CN	Ø 22.5	Visual	Ø 25	IP65

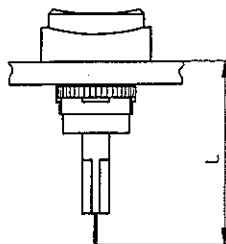
Specifications

Mounting	Central fixing with metal lock nut
Protection	IP40, IP65, IP67
Bezel material	Thermoplastic or anodized aluminum alloy
Lens material	Polycarbonate - engravable
Illumination	T1 ½ midjet grooved lamps - incandescent lamps, LEDs, multi LEDs 60 V, 1.2 W maximum Lamp contact a = anode (+), b = cathode (-) Appropriate safety regulations should be respected when using the indicator light.
Temperature range °C	-25°C to +85°C
Terminals	Solder - suitable for wire diameter 1 × 1.00 mm ² (braided), 2 × 0.75 mm (stranded) Faston - 2.8 mm × 0.5 mm
Vibration resistance	1.5 mm pp amplitude at 55 Hz

Circuit diagram

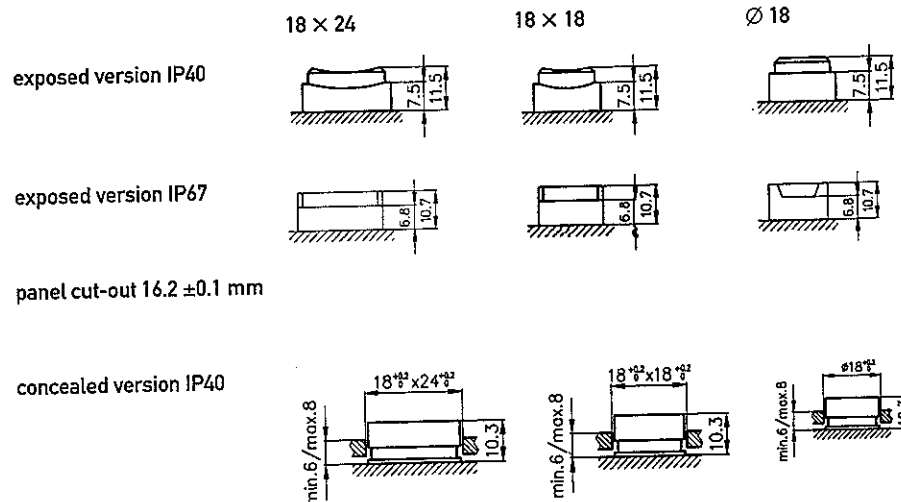


Dimensions



Length in mm	
plastic bezels	38 mm
countersunk mounting bezels	40 mm
aluminum bezels	48 mm
countersunk mounting	

Plastic bezel and lens heights in mm (switch off position)



Dimensions Aluminum bezel Ø 25, Lens heights in mm (switch off position)

aluminum bezel
without sealing gasket (IP40)



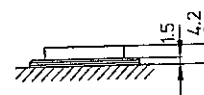
aluminum bezel
with sealing gasket (IP65)



aluminum bezel
countersunk mounting (IP40)



aluminum bezel
countersunk mounting (IP67)



panel cut-out 22.5 ± 0.1 mm

front panel thickness	plastic bezel 1	1.0 to 6.5 mm, 1.0 to 5.0 mm
	aluminum bezel	1.0 to 5.0 mm
	countersunk mounting	2.0 to 15.0 mm

T12

Ordering Reference

Basic type		T12			
Panel cut-out		1 Ø 16.2 mm			
		Example: T12 1 VAA F0 A N			
Switch body	VAA	Visual	18 × 24 mm	Housing (plastic) Exposed; IP40; faston	Part No. TH551008000
	VAL	Visual	18 × 24 mm	Exposed; IP40; solder	TH551108000
	VAD	Visual	18 × 24 mm	Exposed; IP67; faston	TH551015000
	VAO	Visual	18 × 24 mm	Exposed; IP67; solder	TH551115000
	VAB	Visual	18 × 24 mm	Concealed; IP40; faston	TH551002000
	VAM	Visual	18 × 24 mm	Concealed; IP40; solder	TH551102000
	VBA	Visual	18 × 18 mm	Exposed; IP40; faston	TH553008000
	VBL	Visual	18 × 18 mm	Exposed; IP40; solder	TH553108000
	VBC	Visual	18 × 18 mm	Exposed; IP67; faston	TH553015000
	VBN	Visual	18 × 18 mm	Exposed; IP67; solder	TH553115000
	VBB	Visual	18 × 18 mm	Concealed; IP40; faston	TH553002000
	VBM	Visual	18 × 18 mm	Concealed; IP40; solder	TH553102000
	VCA	Visual	Ø 18	Exposed; IP40; faston	TH555008000
	VCL	Visual	Ø 18	Exposed; IP40; solder	TH555108000
	VCC	Visual	Ø 18	Exposed; IP67; faston	TH555015000
	VCN	Visual	Ø 18	Exposed; IP67; solder	TH555115000
	VCB	Visual	Ø 18	Concealed; IP40; faston	TH555002000
	VCM	Visual	Ø 18	Concealed; IP40; solder	TH555102000
Lens transparent					
		For body style			
F0	White	VAA/VAL (IP40)	TH461021000	VAB/VAM (IP40)	TH461017000
F1	Yellow	TH461121000	TH461117000	TH461217000	TH461317000
F2	Green	TH461221000	TH461317000	TH461417000	TH461617000
F3	Blue	TH461321000	TH461417000	TH461617000	TH461617000
F4	Red	TH461421000	TH461617000	TH461617000	TH461617000
F6	Orange	TH461621000	TH461617000	TH461617000	TH461617000
		For body style			
F0	White	VBA/VBL (IP40)	TH463021000	VBB/VBM (IP40)	TH463018000
F1	Yellow	TH463121000	TH463218000	TH463318000	TH463418000
F2	Green	TH463221000	TH463318000	TH463418000	TH463618000
F3	Blue	TH463321000	TH463418000	TH463618000	TH463618000
F4	Red	TH463421000	TH463618000	TH463618000	TH463618000
F6	Orange	TH463621000	TH463618000	TH463618000	TH463618000
		For body style			
F0	White	VCA/VCL (IP40)	TH465021000	VCB/VCN (IP40)	TH465015000
F1	Yellow	TH465121000	TH465215000	TH465315000	TH465415000
F2	Green	TH465221000	TH465315000	TH465415000	TH465615000
F3	Blue	TH465321000	TH465415000	TH465615000	TH465615000
F4	Red	TH465421000	TH465615000	TH465615000	TH465615000
F6	Orange	TH465621000	TH465615000	TH465615000	TH465615000
Illumination					
A	6V				
B	12V				
C	24V				
F	48V				
Illumination color					
N	Incandescent lamp	6V, 200 mA TH590000000	12V, 80 mA TH590001000	24V, 50 mA TH590006000	48V, 25 mA TH590004000
1	Yellow LED	6V AC/DC, 45 mA TH590231000	12V AC/DC, 25 mA TH590234000	24V AC/DC, 12.5 mA TH590237000	48V AC/DC, 12.5 mA TH590240000
2	Green LED	TH590232000	TH590235000	TH590238000	TH590241000
4	Red LED	TH590230000	TH590233000	TH590236000	TH590239000

Acoustic versions available upon request

Indicators

Ordering Reference

Basic type	T12					Example: T12	2	VFA	F0	A	N
Panel cut-out	2	Ø 22.5 mm									
Switch body	VFA	Function	Actuator style	Housing			Part No.				
		Visual	Ø 25	Exposed plastic; IP65; faston			TH555020000				
	VFB	Visual	Ø 25	Exposed plastic; IP65; solder			TH555120000				
	VFC	Visual	Ø 25	Exposed aluminum; IP40/IP65*; faston			TH555018000				
	VFD	Visual	Ø 25	Exposed aluminum; IP40/IP65*; solder			TH555118000				
	VFE	Visual	Ø 25	Exposed aluminum; IP65 with silicon cap; faston			TH555033000				
	VFF	Visual	Ø 25	Exposed aluminum; IP65 with silicon cap; solder			TH555133000				
	VFG	Visual	Ø 25	Flush-aluminum; IP40; faston			TH555050000				
	VFH	Visual	Ø 25	Flush-aluminum; IP40; solder			TH555150000				
	VFJ	Visual	Ø 25	Flush-aluminum; IP67; faston			TH555051000				
	VFK	Visual	Ø 25	Flush-aluminum; IP67; solder			TH555151000				
	Lens transparent				For body style	VFC/VFD	With sealing ring				
			VFA/VFB (IP65)	VFG/VFH (IP40/IP65)	VFE/VFF (IP65)		VFJ/VFK (IP67)				
F0		White		TH565024000	TH465015000	TH465001000		TH565025000			
F1		Yellow		TH565124000	TH465115000	TH465101000		TH565125000			
F2		Green		TH565224000	TH465215000	TH465201000		TH565225000			
F3		Blue		TH565324000	TH465315000	TH465301000		TH565325000			
F4		Red		TH565424000	TH465415000	TH465401000		TH565425000			
F6		Orange		TH565624000	TH465615000	TH465601000		TH565625000			
Illumination	A	6V									
	B	12V									
	C	24V									
	F	48V									
Illumination color	N	Incandescent lamp	6V, 200 mA	12V, 80 mA	24V, 50 mA	48V, 25 mA					
			TH590000000	TH590001000	TH590006000	TH590004000					
			6V AC/DC, 45 mA	12V AC/DC, 25 mA	24V AC/DC, 12.5 mA	48V AC/DC, 12.5 mA					
	1	Yellow LED	TH590231000	TH590234000	TH590237000	TH590240000					
	2	Green LED	TH590232000	TH590235000	TH590238000	TH590241000					
	4	Red LED	TH590230000	TH590233000	TH590236000	TH590239000					

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