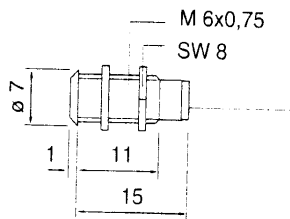
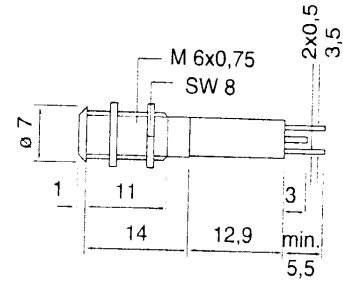


Abmessungen / Dimensions

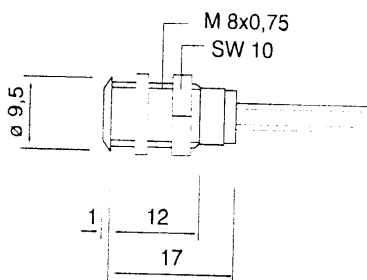
Zeichnungsnr. / Drawing No. 19000-A



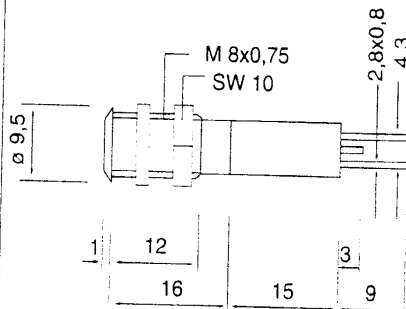
Zeichnungsnr. / Drawing No. 19000-B



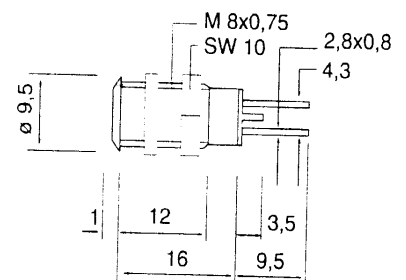
Zeichnungsnr. / Drawing No. 19010-A



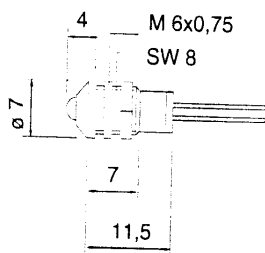
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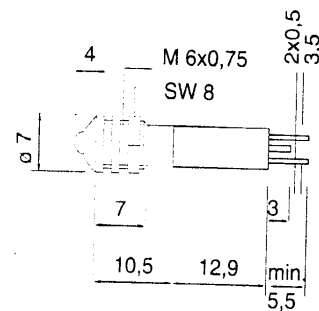
Zeichnungsnr. / Drawing No. 19010-C



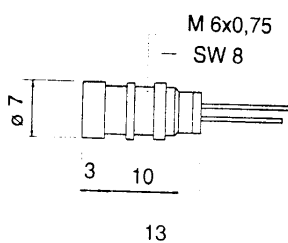
Zeichnungsnr. / Drawing No. 19020-A



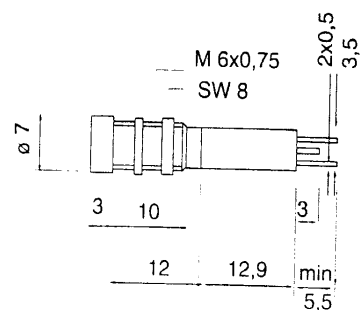
Zeichnungsnr. / Drawing No. 19020-B



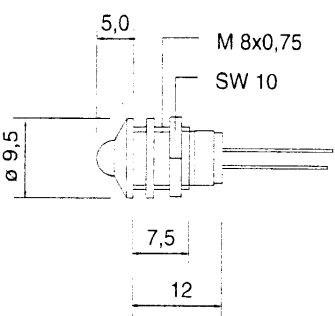
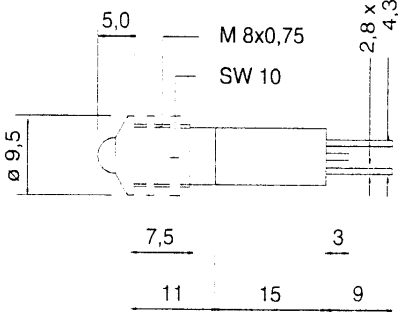
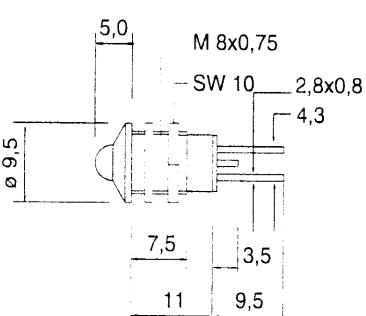
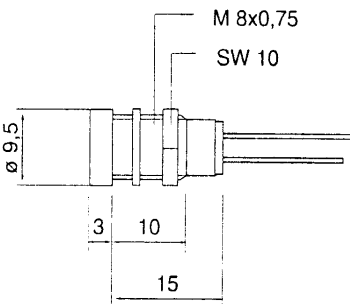
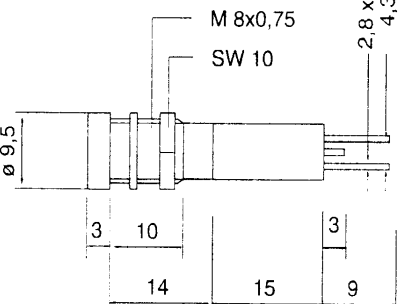
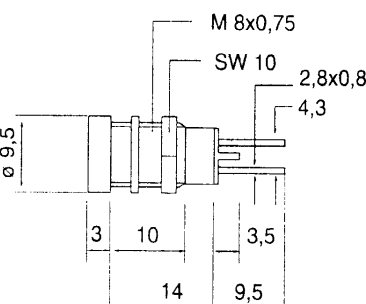
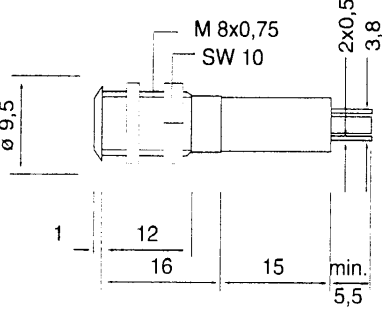
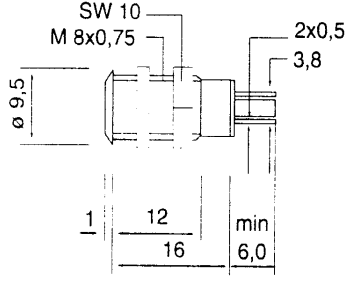
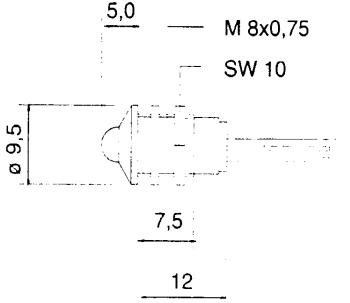
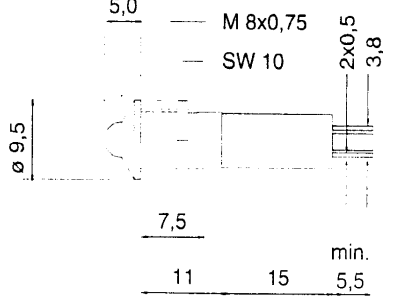
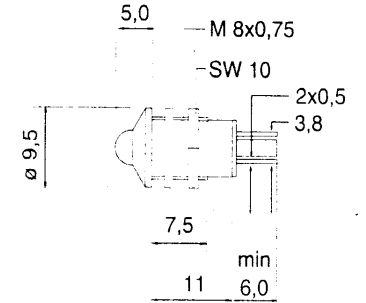
Zeichnungsnr. / Drawing No. 19030-A



Zeichnungsnr. / Drawing No. 19030-B

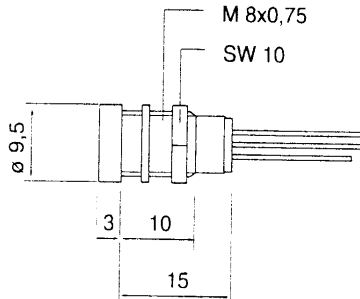


Abmessungen / Dimensions

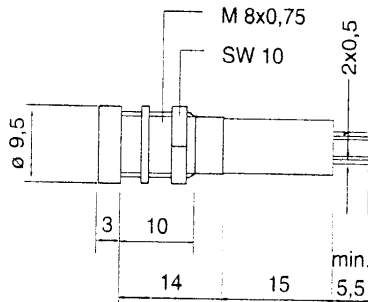
Zeichnungsnr. / Drawing No. 19040-A	Zeichnungsnr. / Drawing No. 19040-B	Zeichnungsnr. / Drawing No. 19040-C
		
Zeichnungsnr. / Drawing No. 19050-A	Zeichnungsnr. / Drawing No. 19050-B	Zeichnungsnr. / Drawing No. 19050-C
		
Zeichnungsnr. / Drawing No. 19100-B	Zeichnungsnr. / Drawing No. 19100-C	
		
Zeichnungsnr. / Drawing No. 19120-A	Zeichnungsnr. / Drawing No. 19120-B	Zeichnungsnr. / Drawing No. 19120-C
		

Abmessungen / Dimensions

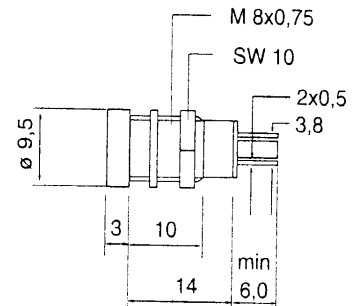
Zeichnungsnr. / Drawing No.
19130-A



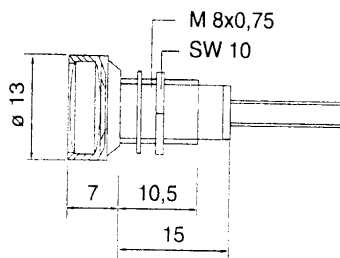
Zeichnungsnr. / Drawing No.
19130-B



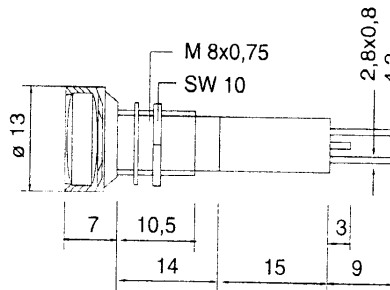
Zeichnungsnr. / Drawing No.
19130-C



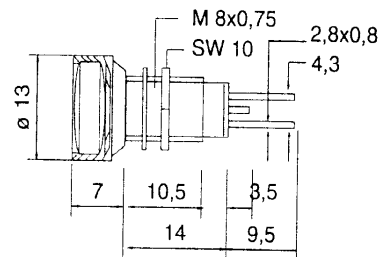
Zeichnungsnr. / Drawing No.
19180-A



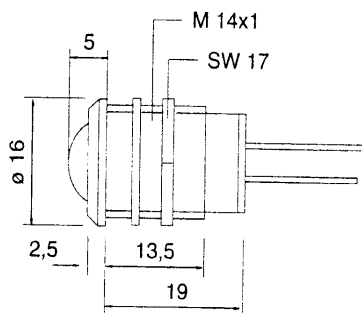
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19180-B



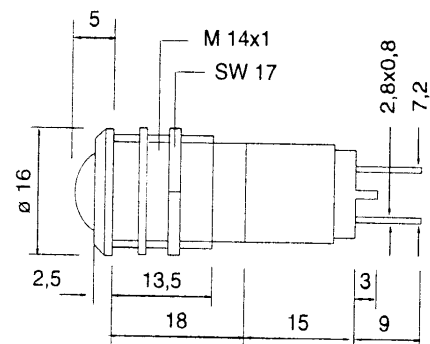
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19180-C



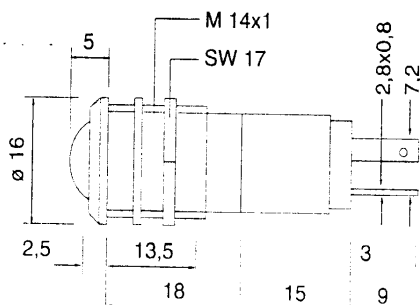
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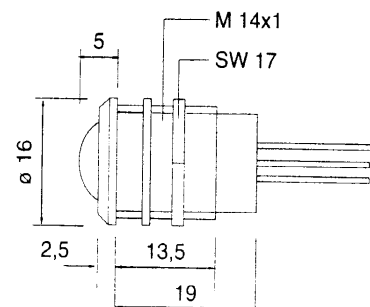
Zeichnungsnr. / Drawing No. 19210-B



Zeichnungsnr. / Drawing No. 19230-B

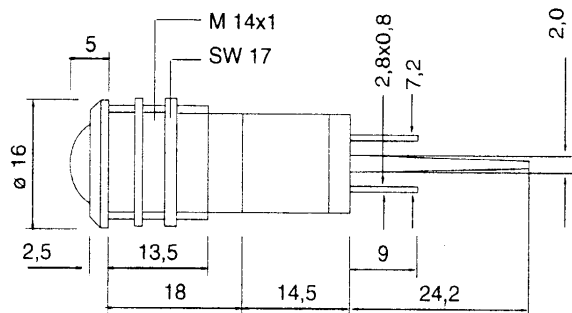


Zeichnungsnr. / Drawing No. 19240-A

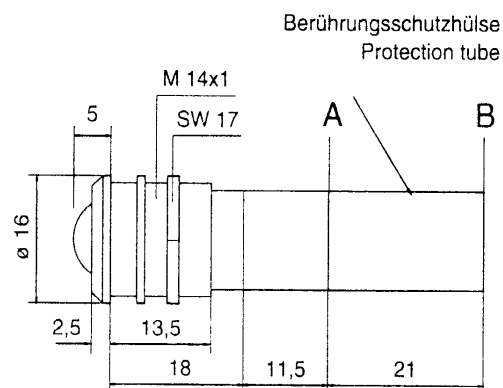


Abmessungen / Dimensions

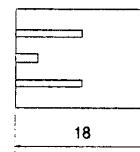
Zeichnungsnr. / Drawing No. 19300



Zeichnungsnr. / Drawing No. 19350



Schnitt / cut A - B



Mechanische Daten / Mechanical Data

Gehäuse:	Messing verchromt und Polycarbonat
Kontakte:	Steckanschluß Messing
Montage:	Verschraubt
Polarität:	Anode (+) Steckkontakt Messing
	Kathode (-) Steckkontakt verzinkt

Harness:	Chrome-plated brass and polycarbonat	
Contacts:	Tab, brass	
Mounting:	Screwnut	
Polarity:	Anode (+)	Tab brass
	Cathode (-)	Tab tinned

Ergänzende Led Daten / Supplementary Led Data

Wellenlänge: rot	660 nm	
super rot	625 nm	
hyper rot	660 nm	
orange	610 nm	für 230 V Version
orange	625 nm	
grün	565 nm	
gelb grün	575 nm	für 230 V Version
gelb	590 nm	
blau	475 nm	
infrarot	950 nm	

V_R	:	5 V	für Standardtypen
		100 V	für Blinkleds
		1000 V	für 230 V Leds

Wavelength :	red	660 nm	
	super red	625 nm	
	hyper red	660 nm	
	amber	610 nm	for 230 V version
	amber	625 nm	
	green	565 nm	
	yellow green	575 nm	for 230 V version
	yellow	590 nm	
	blue	475 nm	
	infrared	950 nm	

V_R : 5 V for standard types
100 V for flashing Leds
1000 V for 230 V Leds

Wir verwenden für unsere Signalleuchten Leds von Kingbright
For our Led Indicators we are using Leds from Kingbright





Vorschriften und Richtlinien zur Handhabung und Anwendung Regulations and guide-line for applications and handling



Achtung:

Die Anzeigen mit Steckanschluß sind **nicht für Lötanschluß geeignet**.

Verpolungsschutz - Die DC-Leds sind gegen Verpolung elektrisch nicht gesichert, mit Ausnahme der Blink-Leds. Ein Schutz gegen Verpolung muß bei der Bestellung extra angegeben werden.

Auf Wunsch kann ein Kunststoffgehäuse mit einer Temperaturfestigkeit von 210°C geliefert werden. Bitte bei Bestellung mit angeben.

Kunststoffteil nur bedingt chemikalienbeständig. Weitere Angaben auf Anfrage.

Note:

The indicators with tabconnection are **not qualified for soldering**.

Protection against confusing polarity - The DC-Leds are not electrically protected against confusion polarity, except the flashing Leds. If protection is required, it must be mentioned when ordering.

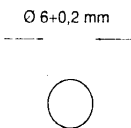
We can supply upon request a plastic housing for a working temperatur of 210°C. Please specify when ordering.

The plastic part is only limited resistant against chemicals. Further information upon request.

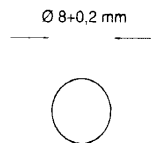
Die Auswahl und der technisch richtige Einbau unserer Produkte nach den entsprechenden Vorschriften (z.B. VDE 0100 und VDE 0160), obliegen dem Anwender.

The selection and technical correct installation of our Led-indicators, in accordance with the relevant regulations (e.g. VDE 0100 and VDE 0160) is incumbent on the user.

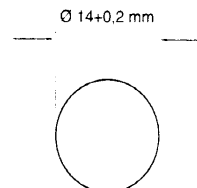
Bohrungen / Cut-outs



Für 3 mm / For 3 mm



Für 5 mm / For 5 mm

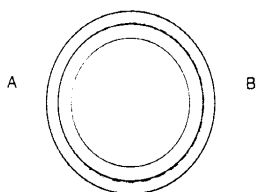


Für 10 mm / For 10 mm

Adapter zur Anpassung von vorgegebenen Bohrungen auf die Maße der Signalleuchten

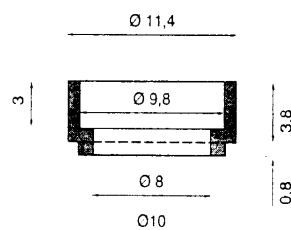
Anpassung von 8mm Anzeige auf 10mm Bohrung
Adaption of the 8mm indicator to 10mm cut-out

Anpassung von 14mm Anzeige auf 16mm Bohrung
Adaption of the 14mm indicator to 16mm cut-out

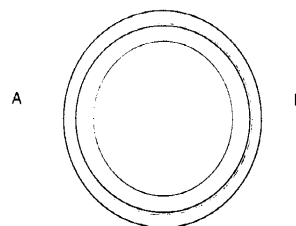


Maßstab: 2 : 1
scale: 2 : 1

Schnitt / cut A..B

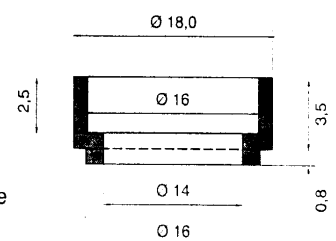


Material: Polycarbonat
Farbe: schwarz



Maßstab: 1,5 : 1
scale: 1,5 : 1

Schnitt / cut A..B



Material: polycarbonate
Colour: black