



PRODUCTS OVERVIEW 2007

SIGNAL LUX

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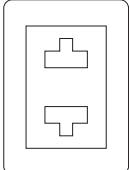


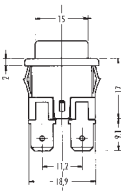
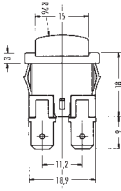
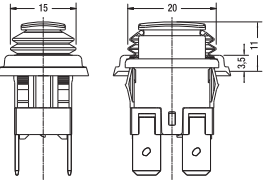

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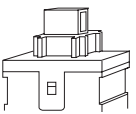
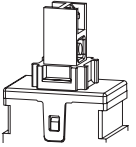
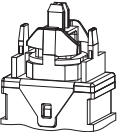
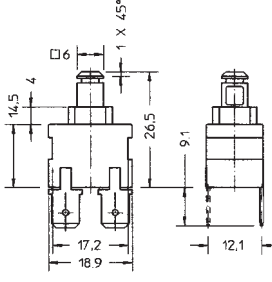
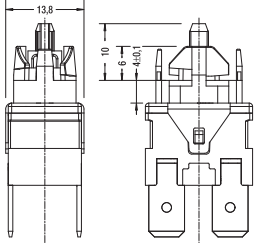
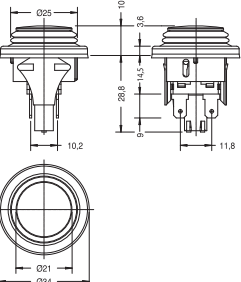

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






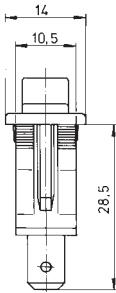
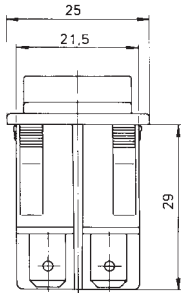
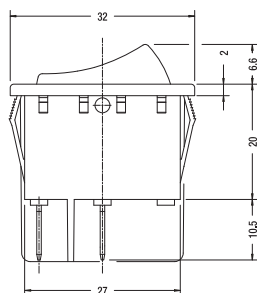

SIGNAL LUX











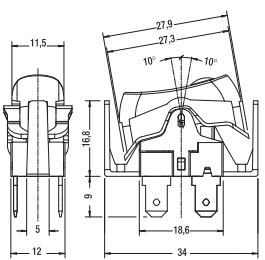
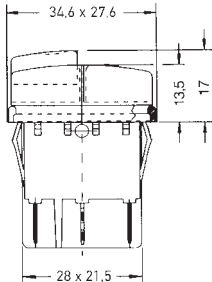
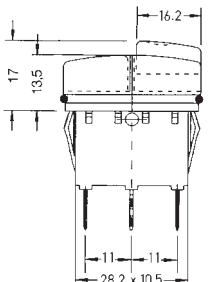



Push button and Rocker Switches

SERIES	L4	L4 Bowl	L4 Rubber Body
<p>Suitable for class II appliances > 3mm contact gap.</p>			
Version	Push button switch 1 and 2 pole		
Switch Rating	EN 61058-1 16 (4) A 250V~ 1E4 T 125 10 (6) A 250V~ 5E4 T 125 UL 1054 16 A 125/250VAC T 100 3/4 HP 125/250VAC T 100 Special version: EN 61058-1 12 (8) A 250V~ 5E4 T 85		
Max. working temperature	EN (UL) 125°C (100°C)		
Switch Function	ON/OFF, momentary NO illuminated or non-illuminated 1 pole NO + 1 pole NC		
Water/Dust protection	IP 40 (IP 64 with PVC cover)	IP 40	IP 65
Electrical connection	 6.3 x 0.8 mm 4.8 x 0.8 mm (available horizontal and down vertical)  Solder pins for pcb mounting		
Panel thickness	0.5 to 3.0 mm 0.5 to 2.2 mm with PVC and Rubber Body		
Features	 <p>Special buttons with holes designed for use with customer's own push-button switch styles</p>		 Oval  Rectangular
Panel cut-out	19 x 13 mm		
Drawing			
Approvals			








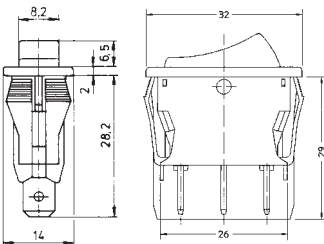
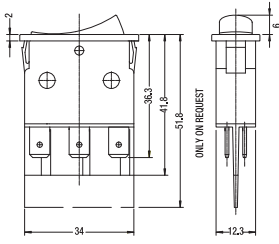


Push button











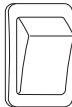
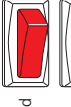
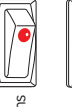


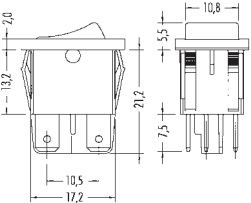
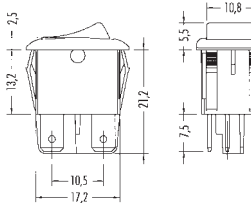
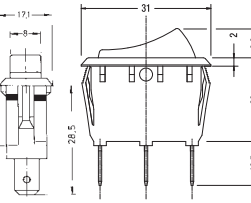


L5	L5 Wings	LR Rubber Body
		
Push button switch 1 and 2 pole		Push button switch 1 and 2 pole
16 (4) A 250V~ 1E4 T 125 10 (6) A 250V~ 5E4 T 125 12 (8) A 250V~ 1E4 T 125		16 (4) A 250V~ 1E4 T 125 10 (2) A 250V~ 5E4 T 125
16 A 125/250VAC T 100 3/4 HP 125/250VAC T 100		12 A 1/4HP 125VAC T 100 12 A 1/2 HP 250VAC T 100
12 (8) A 250V~ 5E4 T 85		—
125°C (100°C)		T 125°C (100°C)
ON/OFF, momentary illuminated with LED or non-illuminated 1 pole NO + 1 pole NC		ON/OFF momentary illuminated or non illuminated
IP 40		IP 65
 6.3 x 0.8 mm, 4.8 x 0.8 mm down vertical or horizontal  Solder pins for pcb mounting vertical or (1 pole) horizontal		 6.3 x 0.8 mm 4.8 x 0.8 mm  Special solder eyelets
Without fixing clips		0.7 to 2.5 mm
Actuator Shapes  Standard  Short  Special  Wings		—
—		diameter Ø 25 mm
		
		

81	82	83	
			
Rocker switch 1 pole	Rocker switch 1 and 2 pole	Rocker switch 2 x 1 pole	
20 (2) A 250V~ 1E4 T 125 16 (8) A 250V~ 1E4 T 125 10 (6) A 250V~ 5E4 T 125 10 (4) A 400V~ 1E4 T 125			
20 A 125V AC T 105 16 A 250V AC T 105 3/4 HP 125/250V AC T 105			
12 (10) A 250V~ 5E4 (T 85)			
125°C (105°C)			
ON/OFF, change over, change over center off. • NO, NC, change over momentary illuminated and non-illuminated. • Only for 82 Series: 1 pole versions with semi-independent lamp, center off momentary on one side. Only for 83 Series: 1 switch + 1 signal lamp.			
IP 40 (PVC cover available)			
 Tab terminals 6.3 x 0.8 mm Tab terminals 4.8 x 0.8 mm			
 Screw terminals only for 82 and 83			
0.7 to 3.5 mm 0.7 to 2.5 mm with PVC cover			
Illuminated Rockers  Standard  LED effect-lens	Not illuminated Rockers  Standard  Bi-color	Special version  Body with security frame	Rocker shapes available  Flat  Soft
30 x 11 mm	30 x 22 mm UK: 28,2 x 22,3 mm	30 x 22 mm UK: 28,2 x 22,3 mm	
			
			

D1	A4	A3
		
Frameless rocker switch 1 pole	Push button switch 1 and 2 pole	Push button switch 1 pole
16 (4) A 250V~ 1E4 T 125 10 (8) A 250V~ 5E4 T 125	16 (8) A 250V~ 1E4 T 125 16 (6) A 250V~ 5E4 T 125 10 (4) A 400V~ 1E4 T 125	16 (6) A 250V~ 1E4 10 (4) A 250V~ 5E4 10 (4) A 400V~ 1E4
16 A 125/250VAC T 105 1HP 125/250VAC T 105	16 A 125/250VAC T 105 3/4HP 125/250VAC T 105	16 A 125/250VAC T 105 3/4HP 125/250VAC T 105
—	12 (10) A 250V~ 5E4 T 85	—
T 125°C (105°C)	T 125°C (105°C)	T 125°C (105°C)
ON/OFF illuminated or not illuminated latched or momentary	ON/OFF, momentary NO change over illuminated and non illuminated	ON/OFF change over non illuminated
IP 40	IP 54 (IP 55)	IP 54
 6.3 x 0.8 mm 4.8 x 0.8 mm	 6.3 x 0.8 mm 4.8 x 0.8 mm  Screw terminals	 6.3 x 0.8 mm 4.8 x 0.8 mm
Any according to the application drawing.	0.7 to 3.5 mm	0.7 to 3.5 mm
Shapes available:  Round  Oval  Rectangular	Penetration of dust and water into the body is prevented by the special shape of the push button caps and their special guides Sealing between the body and the panel is made by a PVC seal fixed on the body.	Penetration of dust and water into the body is prevented by the special shape of the push button caps and their special guides Sealing between the body and the panel is made by an O-ring. Special panel cut-out is necessary.*
Details on panel cut out available on request	30 x 22 mm	30 x 11 mm*
		
		

Rocker

A1	A2	V8
		
Rocker switch 1 pole	Rocker switch 1 and 2 pole	Rocker switch 1 and 2 pole
16 (6) A 250V~ T 100	16 (6) A 250V~ T 100	12 (4) A 250V~ T 125 8 (2) A 250V~ 5E4 T 100
-	-	10 A 125/250VAC
-	-	-
T 100°C	T 100°C	T 125°C (T65°C)
ON/OFF ON/OFF illuminated Change over	ON/OFF ON/OFF illuminated Change over	ON/OFF, ON/OFF illuminated change over, change over illuminated, momentary NO, NO illuminated
IP 40	IP 40	IP 40
 6.3 x 0.8 mm 4.8 x 0.8 mm	 6.3 x 0.8 mm 4.8 x 0.8 mm	 6.3 x 0.8 mm 4.8 x 0.8 mm
0.7 to 4.0 mm	0.7 to 3.5 mm	0.8 to 1.5 mm
 <p data-bbox="893 1507 1143 1637">The twin-wall feature ensures that any splash water which enters into the appliance cannot get into the switch chamber.</p>		
30 x 11 mm	30 x 22 mm	34,2 x 12,6 mm
		 <p data-bbox="1354 1883 1369 1962">ONLY ON REQUEST</p>
		

C2 Standard	C2 Softline	8A
		
Rocker switch 1 and 2 pole		Rocker switch 1 pole
10 (4) A 250V~ 1E4 T 125 8 (2) A 250V~ 5E4 T 125		20 (2) A 250V~ 1E4T 125 16 (8) A 250V~ 1E4T 125 10 (6) A 250V~ 5E4T 125 10 (4) A 400V~ 1E4T 125
10 A 125/250VAC T 105 1/4 HP 125/250VAC T 105		20 A 125VAC T 105 16 A 250VAC T 105 3/4HP 125/250VAC T 105
13 (2) A 250V~ 1E4 (1 pole version only)		12 (10) A 250V~ 5E4 (T 85°C)
T 125°C (105°C)		T 125°C (105°C)
ON/OFF, illuminated and non illuminated, 1 pole NC + 1 pole NO, illuminated and non-illuminated		ON/OFF, momentary NO, change over, center off, illuminated and non illuminated
IP 40 (IP 64 with PVC cover)		IP 40
 4.8 x 0.8 mm	 Solder eyelets  Special solder eyelets	 4.8 x 0.8 mm  6.3 x 0.8 mm
0.5 to 3.0 mm 0.5 to 2.0 mm (with PVC cover)		0.7 - 3.5 mm
Illuminated Rockers  Standard  LED effect-lens		Not illuminated Rockers  Standard Illuminated  Standard  LED effect-lens Not illuminated  Standard  Bi-color
19 x 13 mm	19 x 13 mm	28.2 x 14 mm
		
		

Other features



Markings

Rockers and frames can be printed with various symbols by hot stamping.

Please request our list of standard markings.

Special printing and screen printing are available on request.

Colours

Standard colours for bodies, non-illuminated and rockers: black, white, brown.

Standard colours for illuminated rockers:

red, yellow, green (translucent), transparent.

A wide range of alternative shades and special colours is available on request.

Approvals

All Signal Lux switches have been tested according to EN 61058-1, in accordance with the standards of all European inspection offices.

In addition, the most important production series also have the North American UL and CSA test marks according to UL 1054.

Please, indicate clearly the requested approval/or approvals and rating (circuit-breaking capacity) you need.

Technical information

Complete product range.

This catalogue gives details of the main types of our switch range. In addition we produce many special versions for different applications. Please do not hesitate to contact us if your particular requirements are not shown.

Materials used

Switch bodies: PA6.6

Illuminated actuators and lenses: Polycarbonate

Inflammability: V2 according to UL 94

Current carrying parts: Brass (CuZn 37)

Contact points: Silver alloy

Circuit-breaking capacity

Details of the circuit-breaking capacity for each switch are given for the relevant productions series. The number in the brackets indicates the maximum rated current on inductive load. Some switch series are designed for capacitive loads or high inrush currents, additionally they have been submitted for approval. Please contact us if you need switches for these purposes.

Rated voltage

All appliance switches are designed as standard for 250V AC. However, we also have test marks for 400 V.

On request we can also supply illuminated switches with bulbs for 6V,12 (14)V or 24 (28)V.

Ambient temperature

T85 to T125 refers to the temperature class for which the individual switch series have been approved by the inspection office.

Electrical life

1E4 = 10,000 switching cycles

5E4 = 50,000 switching cycles

The electrical switching cycles refers to the number of operations of the switch based on the nominal load. If the circuit breaking capacity is reduced, the switch cycles will increase accordingly. The mechanical life of the switch is not included in that indication. Normally the mechanical life would overtake the electrical life by many times.

Connection types

Depending on the type of switch, the following connections are available:

tab terminals 6.3x0.8 mm

tab terminals 4.8x0.8 mm

screw terminals M3

pcb-pins

solder eyelet

Please note the data in each production series.

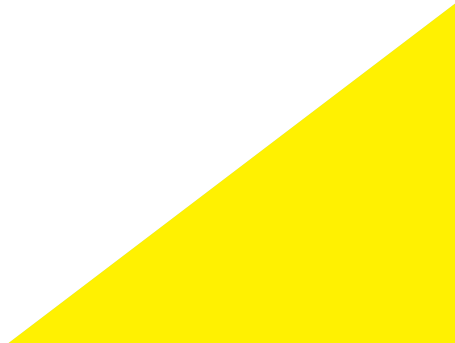
Fitting

Many switches have sprung plastic clips.

To fit simply press into the panel cut out.

Please ask for application drawing before using our switches.












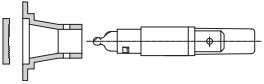
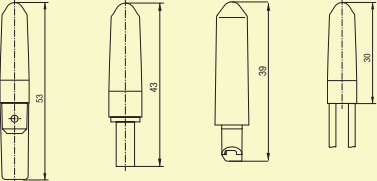
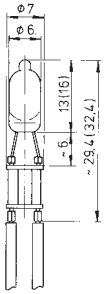
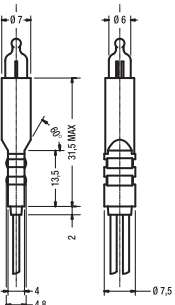
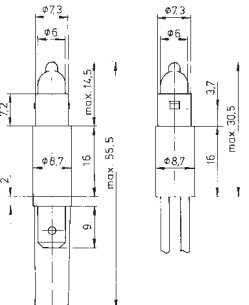

We reserve the right to improve or modify our product range. All dimensions shown in this catalogue are not binding. Samples and assembly diagrams are available on request.















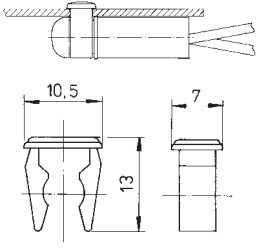
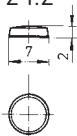
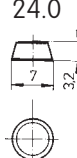
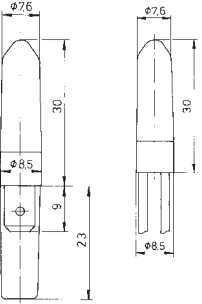
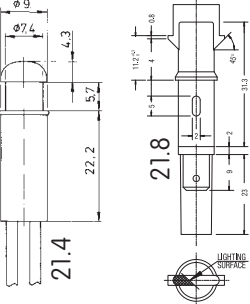
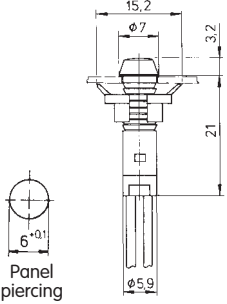









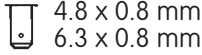



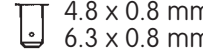



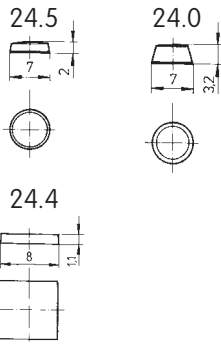
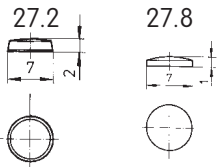

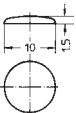
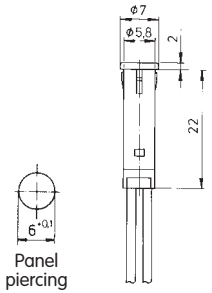
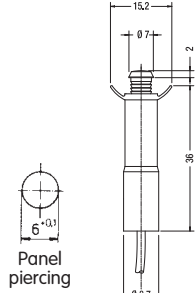
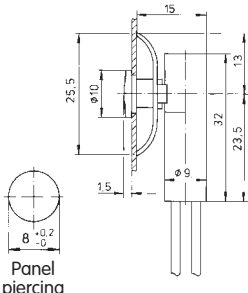



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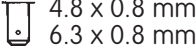



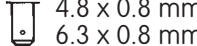



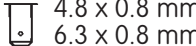



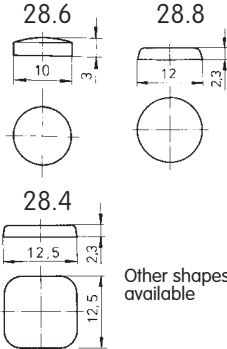
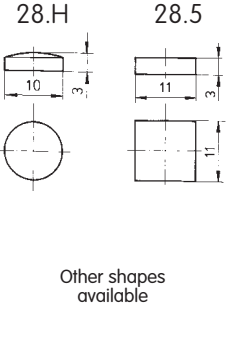
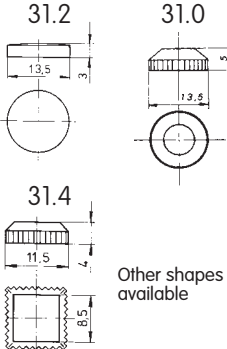
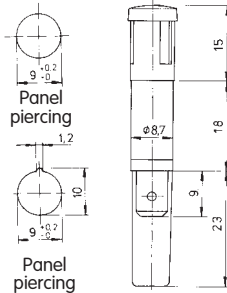
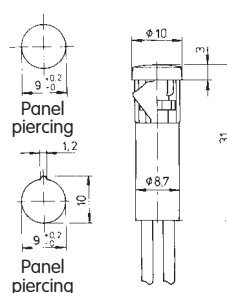
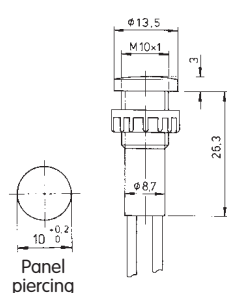



Signal Lights and Lenses













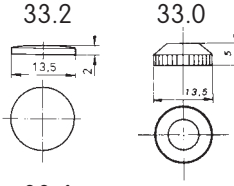
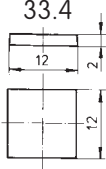
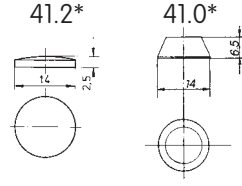
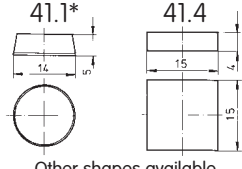
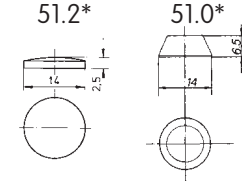
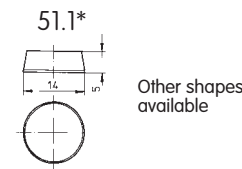
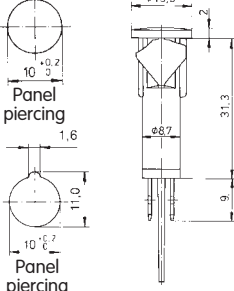
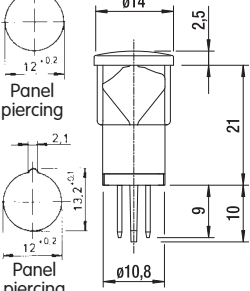
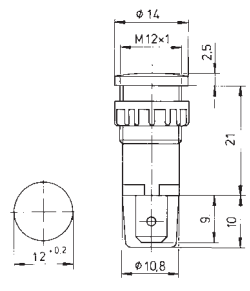



Signal lights








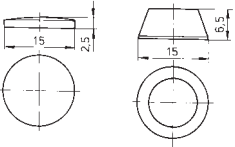
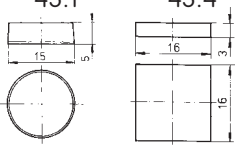
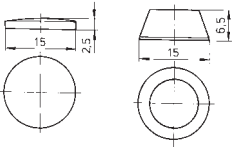
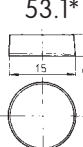
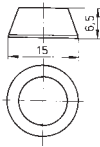

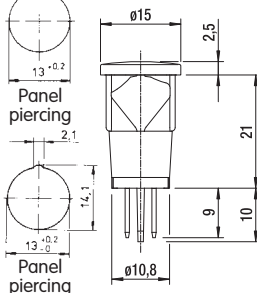
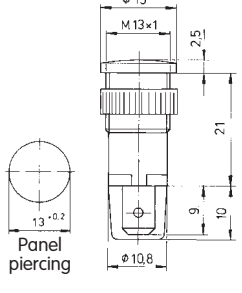
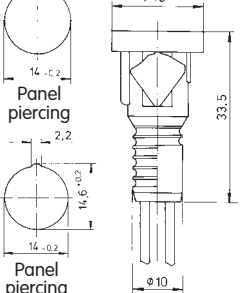



SERIES	17.1/17.3	18.3	28.9
<p>Voltages 110 V, 230 (250) V, 400 V 6 V, 12 (14) V, 24 (28) V Further versions on request</p> <p>Ambient temperatures 75° C 90° C 120° C 150° C</p> <p>Data to be checked for each version</p>			
<p>Panel cut out</p>	—	—	—
<p>Fitting methods</p>	—	—	—
<p>Panel thickness</p>	—	—	—
<p>Connections</p> <p>( 2.8 x 0.8 mm on request)</p>	 Leads	 Leads	 4.8 x 0.8 mm  6.3 x 0.8 mm  Leads  Signal Click®  Crimped
<p>Parallel resistor</p>	On request	—	On request
<p>Lens styles</p> <p>Rectangular signal lights see our short list "Rocker switches" and "Push button switches".</p>			<p>Fixing arrangement</p> 
<p>Special features</p>	Insulated style with heat shrinkable sleeve on request. LED version available on request.	Signal lamps with leads and resine sealing are waterproof.	Signal lamps with integral clips for fixing directly into appliance body. LED version available on request.
<p>Anti-rotation rib</p>	—	—	—
<p>Dimensions</p> <p>Please consider the different overall lengths between the different connection types.</p>  <p>Tab terminal Signal Click® Signal Click® Leads</p>			
<p>Approvals</p>			

21.3	21.4/21.8	24
		
—	5.4 x 9 mm	Ø 6 mm
—	Assembly by connecting the lamp and lens from either side of panel	Self locking ring.
—	—	—
 4.8 x 0.8 mm  6.3 x 0.8 mm  Leads  Signal Click®  Crimped	 4.8 x 0.8 mm  6.3 x 0.8 mm  Leads  Signal Click®  Crimped	 Leads
—	On request	—
	<p>Fixing arrangement</p> <p>21.4</p> 	<p>24.2</p>  <p>24.0</p> 
Signal lamps with integral clips for fixing directly into appliance body. LED version available on request.	LED version available on request.	
—	—	—
		
		


































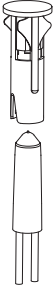
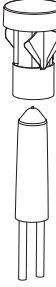

24.4/24.5	27	27.P
		
Ø 6 mm	Ø 6 mm	Ø 8 mm
—	Assembly by connecting the lamp and lens from either side of panel.	Assembly by connecting the lamp and lens from either side of panel.
0.5 - 2.0 mm	0.5 - 4.0 mm	0.5 - 2.0 mm
 Leads	  Leads  Signal Click®  Crimped	  Leads  Signal Click®  Crimped
—	On request	On request
	  Other shapes available	
—	LED version available on request.	For limited space behind panel.
—	—	—
		
		




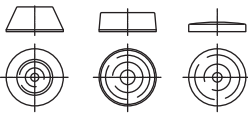
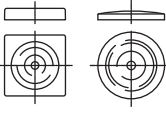
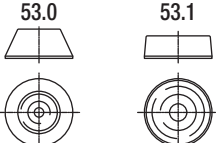
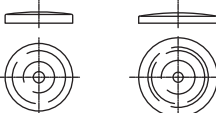
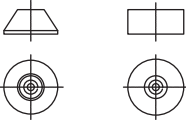
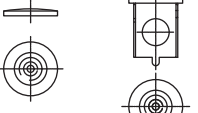



28	28.H/28.5	31
		
Ø 9 mm	Ø 9 mm	Ø 10 mm
Plastic clips.	—	Serrated ring M 10 x 1 mm
0.8 - 2.0 mm	0.8 - 2.0 mm	0.5 - 9.0 mm
  Leads  Signal Click®  Crimped	  Leads  Signal Click®  Crimped	  Leads  Signal Click®  Crimped
—	—	On request
 <p>28.6 28.8</p> <p>28.4</p> <p>Other shapes available</p>	 <p>28.H 28.5</p> <p>Other shapes available</p>	 <p>31.2 31.0</p> <p>31.4</p> <p>Other shapes available</p>
Two-piece style. Signal lights supplied with separate lens. LED version available on request.	LED version available on request.	A separate rubber washer for use between lens and panel is available. LED version available on request.
See drawing	See drawing	—
 <p>Panel piercing</p> <p>Panel piercing</p>	 <p>Panel piercing</p> <p>Panel piercing</p>	 <p>Panel piercing</p>
		

33	41	51
		
Ø 10 mm	Ø 12 mm	Ø 12 mm
Plastic clips.	Plastic clips.	Serrated ring M 13 x 1 mm
0.8 - 2.0 mm	0.8 - 2.0 mm	0.5 - 6.5 mm
 4.8 x 0.8 mm  6.3 x 0.8 mm  Leads  Signal Click®  Crimped	 4.8 x 0.8 mm  6.3 x 0.8 mm	 4.8 x 0.8 mm  6.3 x 0.8 mm
On request	On request	On request
  <p>Other shapes available</p>	  <p>Other shapes available</p>	  <p>Other shapes available</p>
Further lens styles available. LED version available on request.	*Chrome bezel on request. LED version available on request.	Additional rubber washer for use between lens and panel is available. *Chrome bezel on request. LED version available on request.
On request	See drawing	
		
		

43	53	42
		
<p>Ø 13 mm</p>	<p>Ø 13 mm</p>	<p>Ø 14 mm</p>
<p>Plastic clips.</p>	<p>Serrated ring M 13 x 1 mm</p>	<p>Plastic clips.</p>
<p>0.8 - 2.0 mm</p>	<p>0.5 - 6.5 mm</p>	<p>0.8 - 2.0 mm</p>
<p> 4.8 x 0.8 mm 6.3 x 0.8 mm</p>	<p> 4.8 x 0.8 mm 6.3 x 0.8 mm</p>	<p> 4.8 x 0.8 mm 6.3 x 0.8 mm  Leads</p>
<p>On request</p>	<p>On request</p>	<p>On request</p>
<p>43.2* 43.0*</p>  <p>43.1* 43.4</p>  <p>Other shapes available</p>	<p>53.2* 53.0*</p>  <p>53.1*</p>  <p>Other shapes available</p>	<p>42 R</p>  <p>42 U</p> 
<p>*Chrome bezel on request. LED version available on request.</p>	<p>Additional rubber washer for use between lens and panel is available. *Chrome bezel on request. LED version available on request.</p>	<p>Also available with additional fresnel lens for high illumination. LED version available on request.</p>
<p>—</p>		<p>See drawing</p>
		
		

Lenses

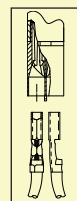
57	41	51
		
Ø 10 mm	Ø 12 mm	Ø 12 mm
—	—	—
0.8 - 2.0 mm	0.8 - 2.0 mm	0.5 - 6.5 mm
—	—	—
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>57.2</p>   </div> <div style="text-align: center;"> <p>57.3</p>   </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>57.5.2</p>   </div> <div style="text-align: center;"> <p>57.6</p>   </div> </div> <p style="text-align: center; font-size: small;">Other shapes available</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;"> <p>41.0</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.1</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.2</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.4</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.5</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.6</p>   </div> <div style="text-align: center; margin: 5px;"> <p>41.7</p>   </div> <p style="text-align: center; font-size: x-small;">Other shapes available</p> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>51.0</p>   </div> <div style="text-align: center;"> <p>51.1</p>   </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>51.2</p>   </div> <div style="text-align: center;"> <p>51.5</p>   </div> </div> <p style="text-align: center; font-size: small;">Other shapes available</p>
<p>Lenses available for Series 21. Technical information in 21 Series column.</p>		
On request	On request	—
		

43	53	59
		
Ø 13 mm	Ø 13 mm	Ø 13 mm
—	—	—
0.8 - 2.0 mm	0.5 - 6.5 mm	0.8 - 2.0 mm
—	—	—
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>43.0 43.1 43.2</p>  </div> <div style="text-align: center;"> <p>43.4 43.8</p>  </div> </div> <p>Other shapes available</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>53.0 53.1</p>  </div> <div style="text-align: center;"> <p>53.2 53.8</p>  </div> </div> <p>Other shapes available</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>59.0 59.1</p>  </div> <div style="text-align: center;"> <p>59.2 59.2 special</p>  </div> </div> <p>Other shapes available</p>
<p>Lenses available for Series 21. Technical information in 21 Series column.</p>		
On request	—	On request
		

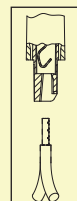
Technical Information

Signal click

Signal click is a patented system of quick connection for signal lights. Two versions are available: one with leads with cylindrical terminals of 2 mm nominal diameter that can be easily inserted in the internal parts of signal lamps;



another one that is equipped with an innovative connecting system with a terminal with a hook at the end and a locking tongue in plastic material. This solution allows a quick and effective assembly without orientation problems.



Signal lights with leads

The signal lights can be sealed with resin to the base on request. This improves the strength of extraction and assures the water protection. Special design, different types and length of leads and cables are available.

Bulb models

6 V, 12 (14) V, 24 (28) V with filament bulbs or LEDs.
110 V, 230 (250) V, 400 V with neon or fluorescent bulbs. Standard: 230 (250) V.

Standard rating

6 – 28 V = 1.0 W max
110 – 400 V = 0.5 W max

Neon, fluorescent and led light sources

Neon bulbs are suitable for signal lights with red, yellow, transparent or orange lens color. For blue or green lenses we recommend to use fluorescent bulbs. It is now available the version with led, that offers vivid colours, higher brightness and longer life.

Ignition voltage

For 110 V = 70 – 95 V
For 230/250 V = 130 V
For 400 V = 187 V

Special versions are available on request.

Complete range of products

The above information gives details of the most common series of standard signal lights. For more information on custom solutions please contact us.

Modifications

We reserve the right to improve or modify our range of products. All dimensions shown on this catalogue are not binding. Samples and drawings are available on request.



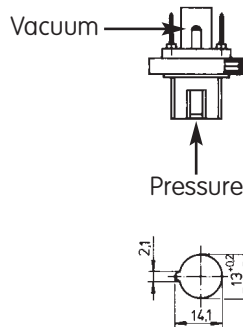
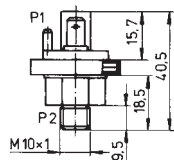
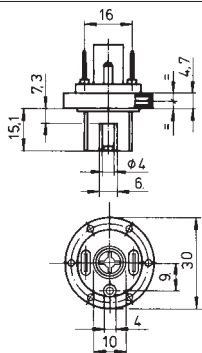
SIGNAL LUX

Pressure Switches

79



1 pole NO	1 pole NC
2,5(0,5) A 250V ~ 1E4 (pmax:2,5 bar) 1 A 250V ~ 5E4 (pmax:0,8 bar) 0,02 A 250V ~ 5E4 (pmax:0,8 bar) 2,5A 125/250VAC UL/CSA	2,5(0,5) A 250V ~ 1E4 (pmax:2,5 bar) 0,5 A 250V ~ 5E4 (pmax:2,5 bar) 0,02 A 250V ~ 5E4 (pmax:2,5 bar) 2,5A 125/250VAC UL/CSA
85°C	
85°C	
Tabs terminals 6,3 x 0,8 mm Tabs terminals 4,8 x 0,8 mm	
+ 15 to +2500 mbar +/- 10%	+ 15 to +2500 mbar +/- 15%
- 800 to -15 mbar +/- 15%	- 800 to -15 mbar +/- 15%
Inlet 4.0 or 5,5mm (up to 500 mbar) Threaded inlet M10 x 1mm or 1/4" Gas Snap inlet	
3000 mbar	
Nearly no hysteresis	
Pressure: Non hazardous gases - Liquids (up to 24V only) Vacuum: Non hazardous gases	
Plastic clips for 0,5÷2,5 mm panel thickness (version with inlet only)	
Lower body: PA 6.6	
Upper body: PA 6.6	
Adjustment screw: PA 6.6	
Contact carrying parts: Brass Silver plated (gold plating on request)	
Membrane: nitrile, EPDM (Silicone, Perbunan on request) according to application	



M3



1 pole NO, 1 pole NC, 1 pole change over

16(4) A 250V ~ 5E4
 10(3) A 250V ~ 5E4
 3(1) A 250V ~ 5E4

85°C

85°C

Tab terminals 6,3 x 0,8 mm
 Tab terminals 4,8 x 0,8 mm

+ 30 to +2500 mbar +/- 10%

- 800 to -30 mbar +/- 15%

Inlet 4.0 or 5,5mm (up to 500 mbar)
 Threaded inlet M10 x 1mm, 1/4" Gas, 1/8" Gas

3000 mbar

Between 10% and 30% depending on calibration and type of micro switch

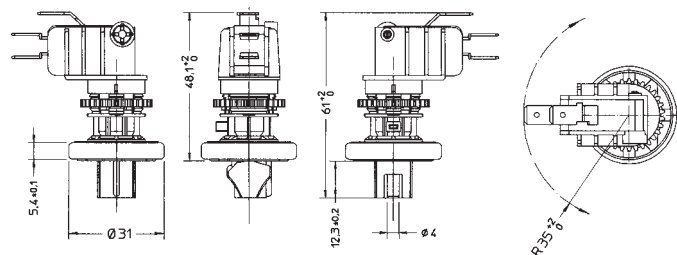
Non hazardous gases and liquids

Plastic clips (version with inlet only) / Threaded inlet

Lower body: PA 6.6 - Upper body: PA 6.6

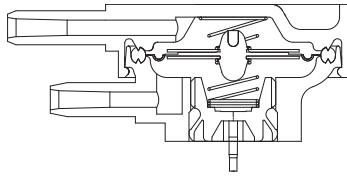
Membranes: EPDM, others on request

Micro switches: special types on request.

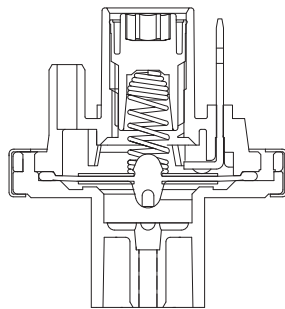


Other features

P1

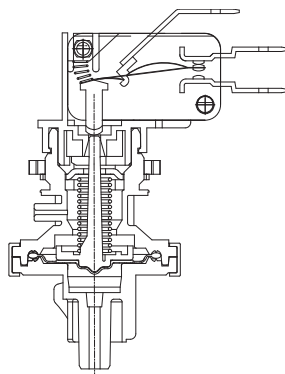


79



The sectional drawing explains the function of our pressure switches series P1 and 79. This design does not cater for a hysteresis. The method of fixing the solder pins or tabs to the switch body does not allow for absolute air tightness. For this reason the P1 and 79 series are well suited for detection of dynamic pressure (or vacuum) levels, while some precautions are recommended for applications in which static vacuum or pressure has to be maintained.

M3



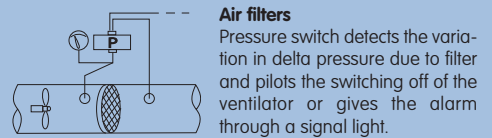
As opposed to series 79 and P1 where the electrical part is integrated into the pressure chamber of the switches, the electrical unit of our pressure switches M3 consists in a standard micro switch. Therefore it is possible to use these type not only for transmission of electrical signals but also for direct switching of high resistive loads.

Applications

Generally all applications are based on electric switching (opening/closing) of contacts with a set pressure value. Particular attention should be taken in evaluating the type of fluid chosen to transmit the pressure or the decreased pressure to the manostat.

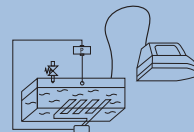
In general, the transmission of pressure through fluids such as air, nitrogen, non-explosive gas and vapour is considered standard. Water and all fluids that can conduct electricity need special precautions. Special versions of these applications are available upon request.

The examples of application are numerous, such as, 'full bag' indication on vacuum cleaners, level of the liquid on dishwashers and coffee machines, pneumatic safety edges, gates automation, detection of CO2 level on drinks vending machines, water level on irons, protection devices of pumps, medical appliances.



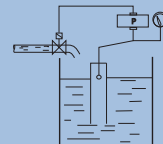
Air filters

Pressure switch detects the variation in delta pressure due to filter and pilots the switching off of the ventilator or gives the alarm through a signal light.



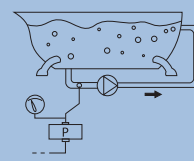
Home steam generators

Pressure switch controls the heater resistor in order to maintain steam pressure.



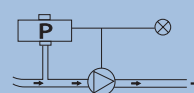
Fluids level control

Pressure switch maintains the desired level of the fluid.



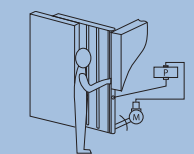
Whirlpool security switch

Pressure switch blocks the pump if the water flow is interrupted by the presence of a body on suction gate.



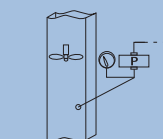
Vacuum pump control

Pressure switch stops the pump at the vacuum setting calibrated by the user.



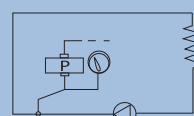
Gate security systems

Pressure switch measures the pressure applied to the rubber protection on the gate and stops the electric actuator.



Chimney

Pressure switch detects insufficient air depression or fan malfunctioning.



Hydraulic circuits

Pressure switch detects insufficient water pressure or pump malfunctioning.



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