EOC
Electronic Opto Components
M. Büchner GmbH & Co. KG

Application:

PA 6.6 For Fuel .Oil

M16x2.0

1/2"NPT

LKA

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M. Büchner GmbH & Co. KG

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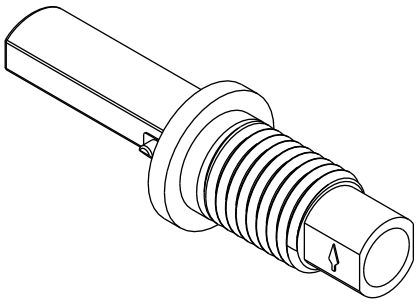
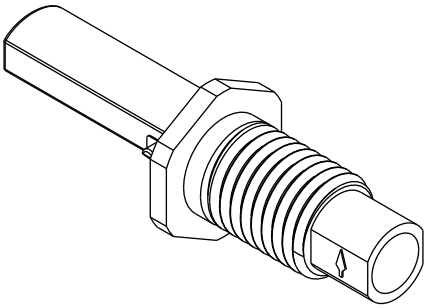
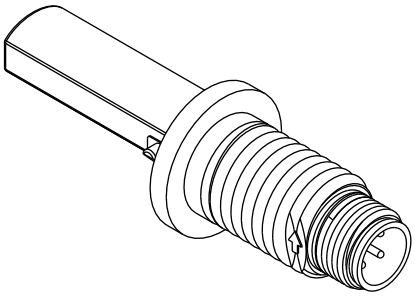
P. P. Flange Shape & Float Code.







M12 Receptacle

R

R 67 Round Shape

Order Code	
P.P.	LKP-R6710
PA66	LKA-R6710

Order Code	
P.P.	LKP-R6720
PA66	LKA-R6720

H

H 67 Hex. Shape

Order Code	
P.P.	LKP-H6710
PA66	LKA-H6710

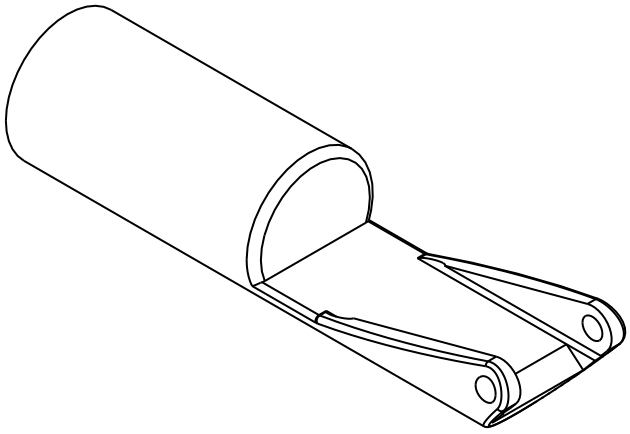
Order Code	
P.P.	LKP-H6720
PA66	LKA-H6720

M

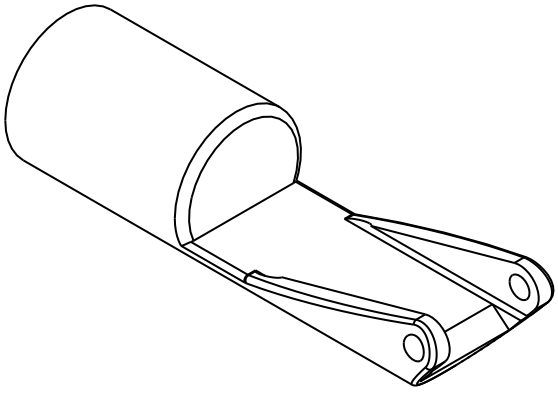
M 67 Round Shape

Order Code	
P.P.	LKP-M6710
PA66	LKA-M6710

Order Code	
P.P.	LKP-M6720
PA66	LKA-M6720



Size:Ø 17.3X36.4
Parts Code:6720

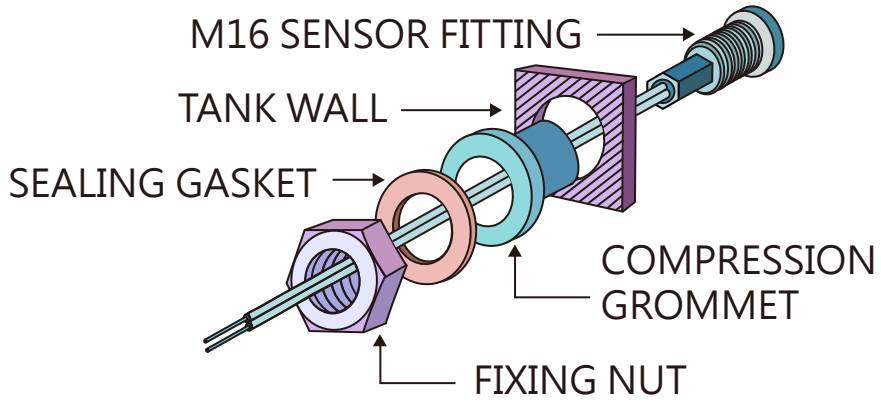


Size:Ø 17.3X26.3
Parts Code:6710

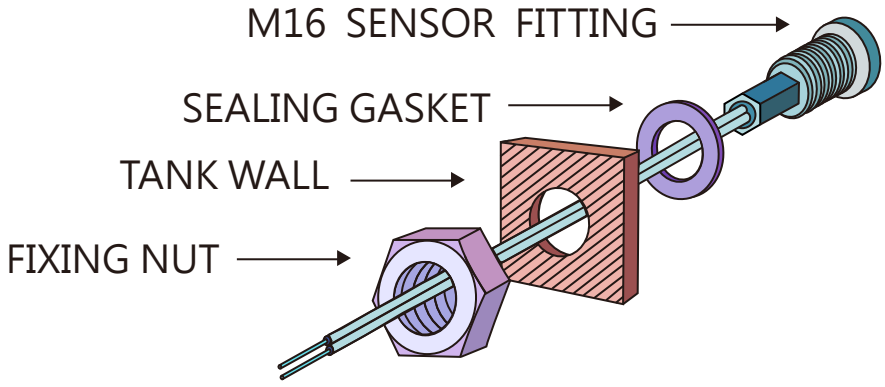
Chemical Resistance to:		
	PA66 (Glass Filled)	P.P. (Glass Filled)
Dilute Mineral Acids	Poor	Excellent
Concentrated Mineral Acids	Poor	Fair
Alkalis	Excellent	Excellent
Alcohols	Good	Excellent
Ketones	Excellent	Excellent
Aromatic Hydrcarbons	Excellent	Fair
Chlorinated Hydrocarbons	Excellent	Fair
Detergents	Excellent	Excellent

Installation Guide

EXTERNAL FITTING



INTERNAL FITTING

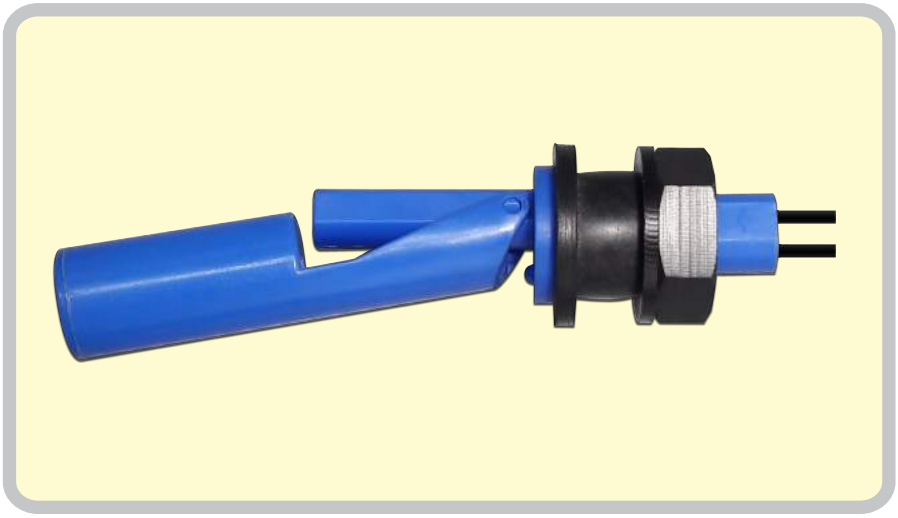


Chemical Resistance

● Excellent ○ Good △ Fair X Corroded

Chemical	Concentration %	Temp °C	Temp °F	Plastic PVC	Plastic PP	Plastic PVDF	Plastic PTFE	Rubber NBR	Stainless 304	Stainless 316
Ammonia Water NH_4OH	10	40	104	●	●	●	●	○		
	10	80	176		○	●	●			
Aque Regia $3HCI+HNO_3$	10	40	104	△	△	●	●			
	10	80	176			●	●			
Benzene C_6H_6	Pure	40	104	X	△	○	●			
		80	176			△	●			
Bleaching Liquor $Ca(CIO)_2$	5	40	104	●		●	●			
	5	80	176			●	●			
	20	40	104	●		●	●			
	20	80	176			●	●			
Boric Acid H_3BO_3	Satu	40	104	●	●	●	●	●		
		80	176		●	●	●	○		
Brine		40	104	●	●	●	●	●		
		80	176		●	●	●			
Butadiene $CH_2=CH-CH=CH_2$	Gas	40	104	●		●	●	△		
		80	176			●	●			
Butane $CH_3(CH_2)_2CH_3$	Gas	40	104	●	●	●	●			
		80	176		●	●	●			
Nitric Acid HNO_3	10	40	104	●	●	●	●	●	●	●
	10	80	176	X	○	●	●		●	
	30	40	104	●	●	●	●		●	●
	30	80	176	X	○	●	●		●	●
	50	40	104	○	○	●	●		●	●
	50	80	176	X	X	○	●			
	70	40	104	○	X	●	●		○	●
	70	80	176	X		○	●			
	98	40	104			○	○			
	98	80	176				△			
Oxalic Acid HOOCCOOH	20	40	104	●	●	●	●	●		△
	20	80	176		●	●	●			
	50	40	104	●	●	●	●			△
	50	80	176		●	●	●			
Phosphoric Acid H_3PO_4	10	40	104	●	●	●	●	●	●	●
	10	80	176		○	●	●	△	●	●
	50	40	104	●	●	●	●		●	●
	50	80	176		△	○	○	X	●	●
	80	40	104	●	○	●	●	○	●	●
	80	80	176		△	●	●		●	●
Sodium Hydroxide NaOH	15	40	104	●	●	●	●	●	●	●
	15	80	176		○	△	●	△	X	X
	30	40	104	●	●	●	●	●	●	●
	30	80	176		○	△	●	●	X	X
	50	40	104	●	●	○	●	●	●	●
	50	80	176		○	X	●	●	X	X
	70	40	104	○	○	○	●			
	70	80	176		○	X	●			
Sodium Hypochlorite NaCIO	3	40	104	●	○	●	●		△	○
	3	80	176							
	5	40	104	●	○	●	●		△	○
	5	80	176							
	7	40	104	●	△	○	●		X	X
	7	80	176							
	10	40	104	●	△	●	●		X	X
	10	80	176							
	13	40	104	●	△	●	●			X
	13	80	176							

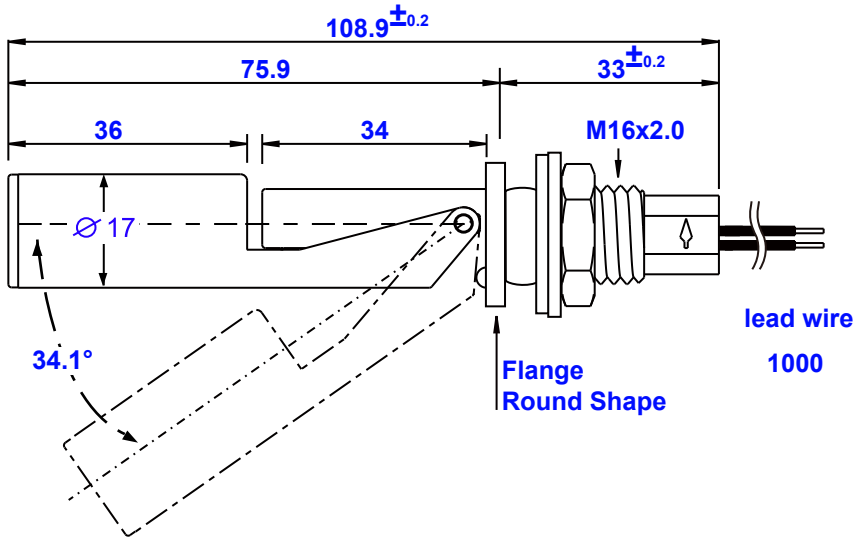
Chemical	Concentration %	Temp °C	Temp °F	Plastic PVC	Plastic PP	Plastic PVDF	Plastic PTFE	Rubber NBR	Stainless 304	Stainless 316
Sulfuric Acid H_2SO_4	10	40	104	●	●	●	●	●	●	●
	10	80	176		●	●	●	○	○	○
	30	40	104	●	●	●	●	●	X	X
	30	80	176		●	●	●	○	X	X
	50	40	104	●	●	●	●	○	X	X
	50	80	176		●	●	●	△	X	X
	60	40	104	●	●	●	●	●	X	X
	60	80	176		○	●	●	○	X	X
	70	40	104	●	●	●	●	○	X	X
	70	80	176		○	●	●	△	X	X
	80	40	104	●	●	●	●	○	X	X
	80	80	176		○	●	●	△		
	90	40	104	○	●	●	●	△	X	X
	90	80	176		○	●	●	△		
	98	40	104	△		●	○		○	○
	98	80	176			△	○			
Toluene $C_6H_5CH_3$		40	104		△	●	●			
		80	176				○			
Chlorine Gas Cl_2	Wet	40	104	○		●	●			
	Wet	80	176			△	●			
	Dry	40	104	●		●	●			
	Dry	80	176			●	●			
Chromic Acid H_2CrO_4	10	40	104	●		●	●			
	10	80	176			●	●			
	20	40	104	△		●	●			
	20	80	176			●	●			
	40	40	104	△		●	●			
	40	80	176			●	●			
	50	40	104	X		●	●			
	50	80	176			△	●			
Hydrochloric Acid HCI	15	40	104	●	●	●	●	○		
	15	80	176		●	●	●			
	25	40	104	●	●	●	●	X		
	25	80	176		●	●	●			
	35	40	104	●	●	●	●	X		
	35	80	176		○	●	●			
	38	40	104	●	●	●	●	X		●
	38	80	176		○	●	○			
Citric Acid $C_6H_8O_7$	10	40	104	●	●	●	●	●	●	
	10	80	176		○	●	●	●		
Gasoline	10	40	104	●		●	●			●
	10	80	176			●	●			●
Diesel Fuels		40	104			●	●		●	○
		80	176			●	●		●	
Ethyl Alchol C_2H_5OH	Pure	40	104	●	●	●	●	●	○	
		80	176		○	●	●	○		
Formic Acid HCOOH	90	40	104	○	○	●	●			
		80	176			●	●			
Hydrofluric Acid HF	Dilute	40	104	●	○	●	●			
	Dilute	80	176		○	●	●			
	30	40	104	○	○	●	●			
	30	80	176	X	○	●	●			
	40	40	104	△	○	●	●			
	40	80	176		○	●	●			
	50	40	104	△	○	●	●			
	50	80	176		○	●	●			



Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	Universal In/External Fitting	
Parts Code:	LKA-R6720	LKP-R6720
Mounting thread	M16 x P2.0	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X36, PA66 (Glass Filled)	Ø17X36, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1 M	

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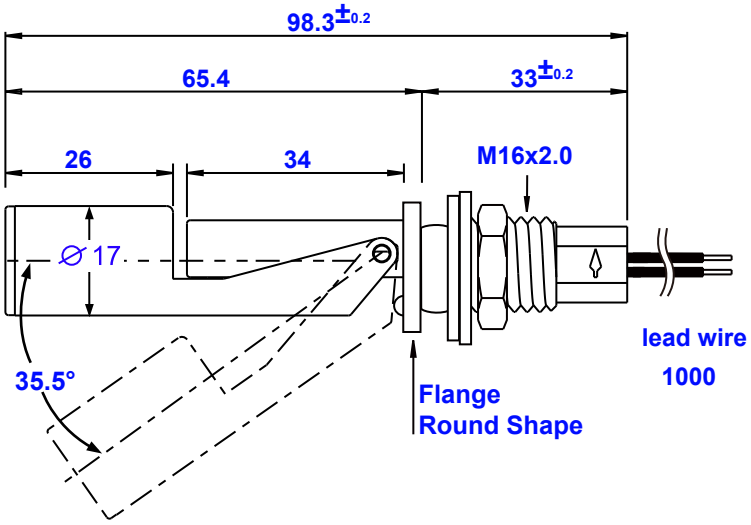
Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	Universal In/External Fitting	
Parts Code:	LKA-R6710	LKP-R6710
Mounting thread	M16 x P2.0	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X26, PA66 (Glass Filled)	Ø17X26, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1M	

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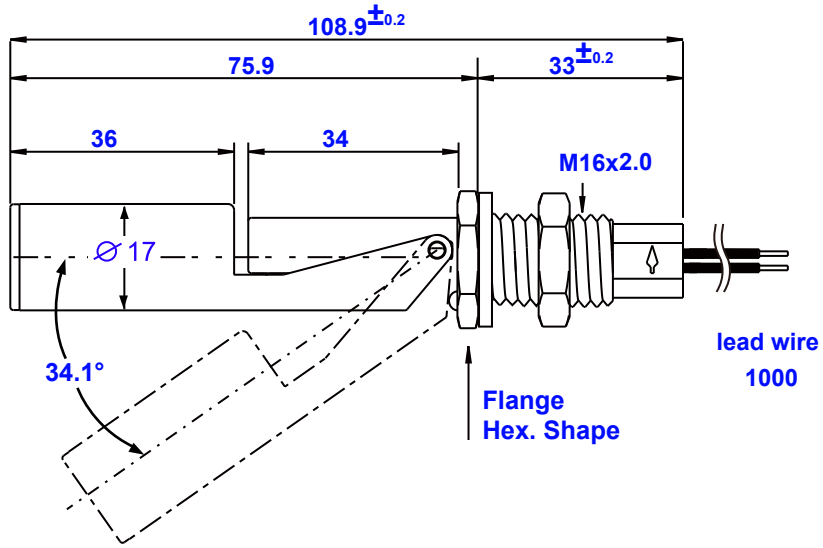
Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	Internal Fitting	
Parts Code:	LKA-H6720	LKP-H6720
Mounting thread	M16 x P2.0	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X36, PA66 (Glass Filled)	Ø17X36, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1M	

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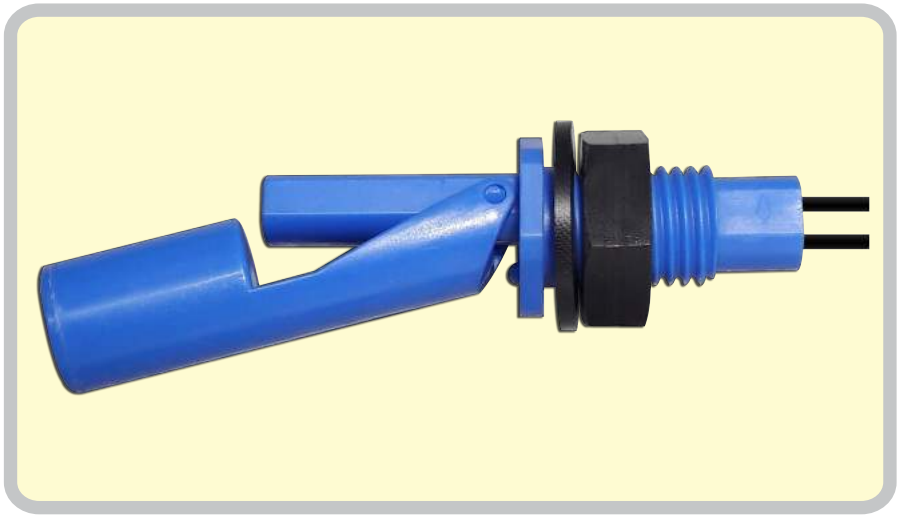
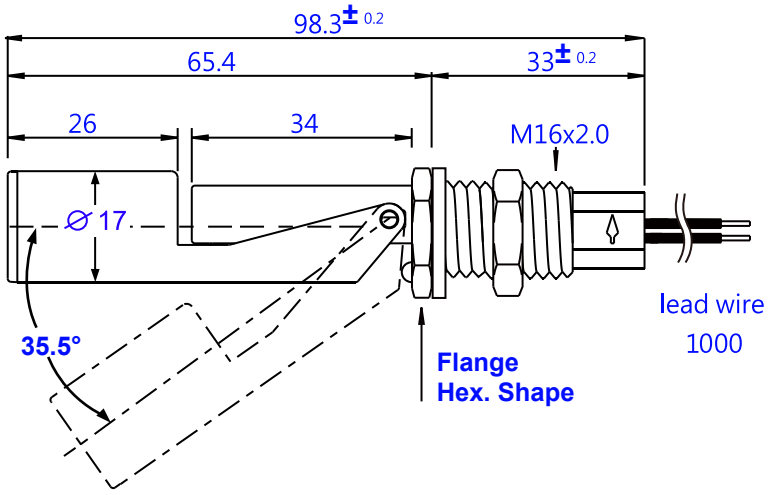


Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	Internal Fitting	
Parts Code:	LKA-H6710	LKP-H6710
Mounting thread	M16 x P2.0	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X26, PA66 (Glass Filled)	Ø17X26, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1 M	

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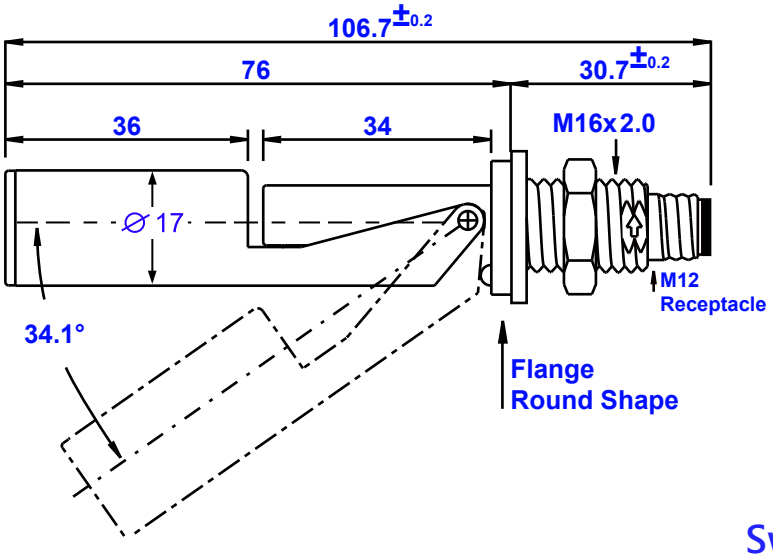
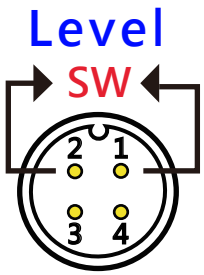
Housing Color:

PA66 = Blue

P.P. = Black





Switch On Pins 1 & 2

Mounting Style	Internal Fitting	
Parts Code:	LKA-M6720	LKP-M6720
Mounting thread	M16/M12 Receptacle	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X36, PA66 (Glass Filled)	Ø17X36, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	M12 Receptacle Pins 1 & 2 For Switch	

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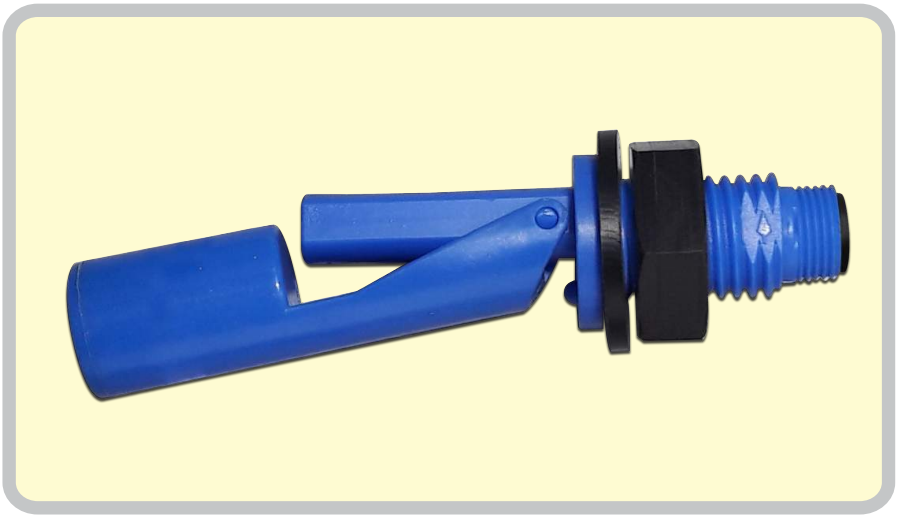
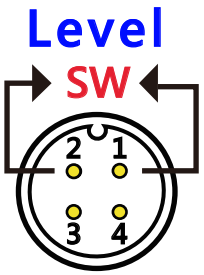
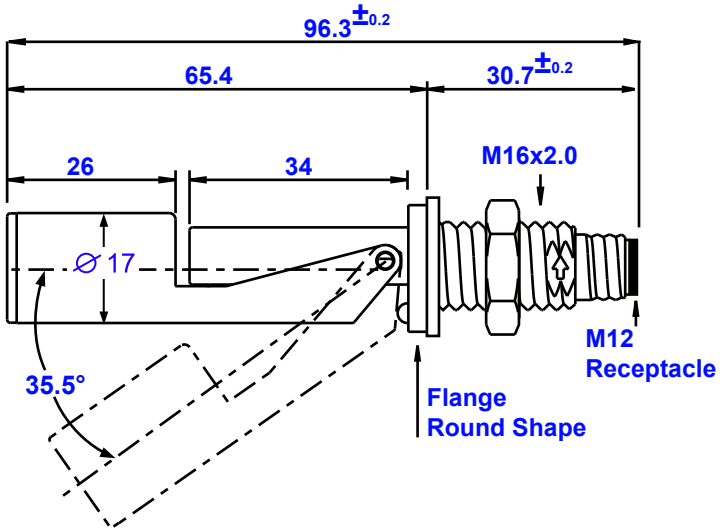


Housing Color:

PA66 = Blue

P.P. = Black





Switch On Pins 1 & 2

Mounting Style	Internal Fitting	
Parts Code:	LKA-M6710	LKP-M6710
Mounting thread	M16/M12 Receptacle	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X26 , PA66 (Glass Filled)	Ø17X26, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	M12 Receptacle Pins 1 & 2 For Switch	

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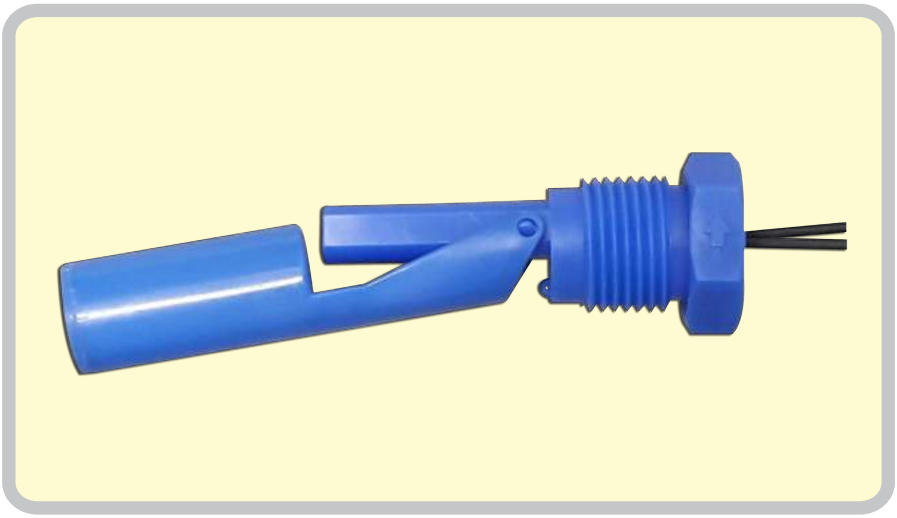
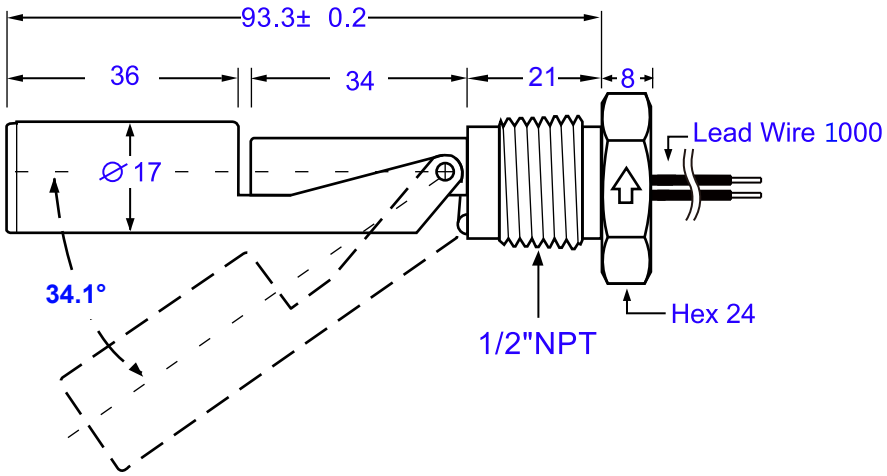


Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	External Fitting	
Parts Code:	LKA-H6820	LKP-H6820
Mounting thread	1/2”NPT	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X36, PA66 (Glass Filled)	Ø17X36, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1M	

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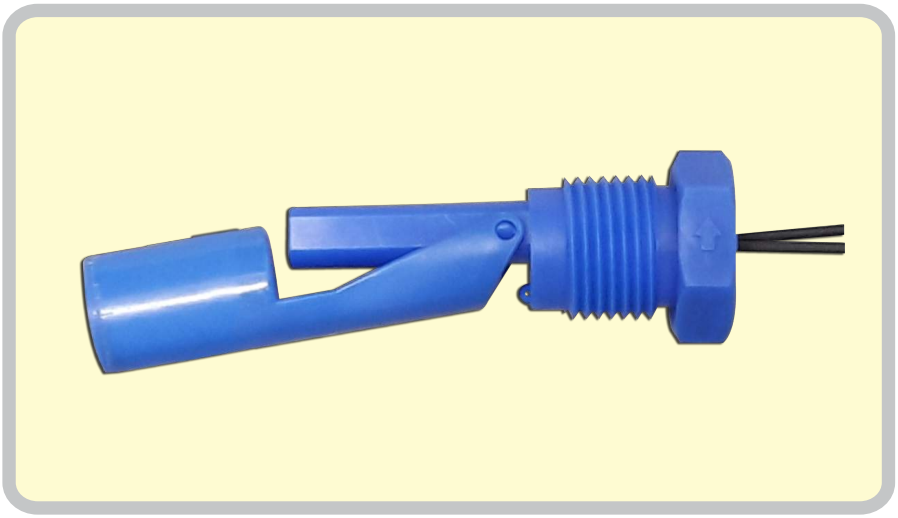
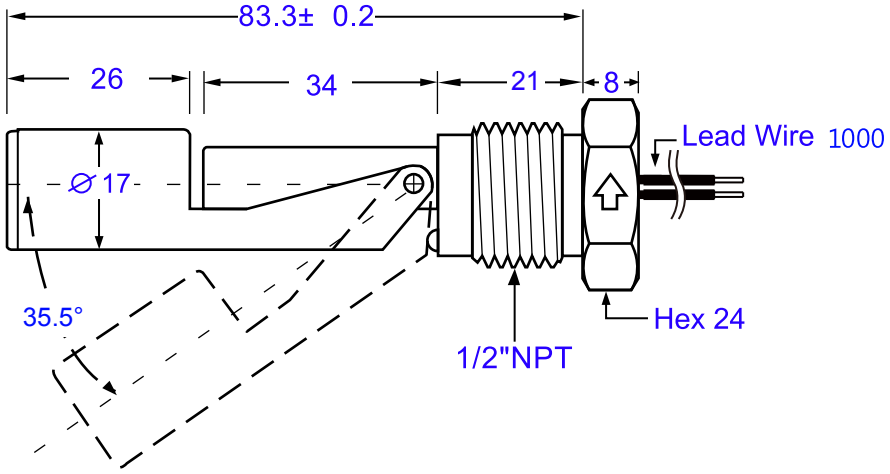


Housing Color:

PA66 = Blue

P.P. = Black



Mounting Style	External Fitting	
Parts Code:	LKA-H6810	LKP-H6810
Mounting thread	1/2”NPT	
Stem Material	PA66 (Glass Filled)	P.P. (Glass Filled)
Housing Colour	Blue	Black
Float Material	Ø17X26, PA66 (Glass Filled)	Ø17X26, P.P. (Glass Filled)
Operation Temp.	-20℃ To +120℃	-20℃ To +100℃
Max.Pressure	5 bar	
Float S.G.	0.8	0.7
Mini.Fluid S.G	0.85	0.75
Contact Form	SPST	
Switch Rating VA	50W	
Switching Voltage Max.	300 Vac / 350 Vdc	
Switching Current Max.	DC 0.7 A / AC 0.5 A	
Carry Current Max.	2.5 A	
Lead Wires	UL 3266 AWG 22 XLPE Lead Wire 1 M	

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ORDER INFORMATION

Series: LK — **L K** □-□ □□ □□ - □ □

Housing:
A: PA66
P: P.P.

Process Edge Shape:
R: Round Shape
H: Hex. Shape
M: M12 Receptacle

Process Connection Thread:
67: M16 x P2.0
68: 1/2" NPT
69: 1/2" GBSP

Float Size:
10: ø17.3 x 26.3
20: ø17.3 x 36.3

Contact Rating:
A: 50W
B: 100W

X:Conduit Special Request:

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