

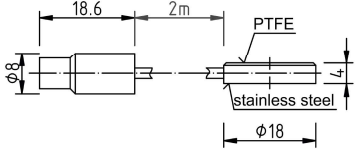




CAPACITIVE SENSORS - MINI SERIES

Sensing Distance Sn 1...5 mm adjustable



Dimensions are in mm.			
18 Ø / 4			
Part Number:			
LCA - 18/4 - 5 - F			
flush mount			

Dimensions are in mm.			
18 Ø / 10			
Part Number:			
LCA - 18/10 - 5 - F			
flush mount			

These sensors share the following specifications:

Hysteresis H max. (% of Sr)	15.0%	Rated insulation voltage Ui:	75 VDC
Switching frequency:	100 Hz	Housing material:	Stainless steel
Repeat accuracy (% of Sr):	2.0 %	Sensor face:	PTFE
Ambient temperature:	-30. . . +80°C	Connection cable 2m +/- 5%:	3 x 0.14 mm ² PUR
Temperature drift max. (% of Sr):	20 %	Connection:	Special connector
Protection class IEC 60529:	IP 66	Supply voltage with amplifier	4 ... 8 VDC

Amplifiers required for mini-series sensors

Dimensions are in mm.		
DC Amplifier		
LSA - 45/30/15-P-NO		
LSA - 45/30/15-P-NC		
LSA - 45/30/15-N-NO		
LSA - 45/30/15-N-NC		

Technical Data:		Wiring and Mounting Info	
Switching frequency:	100 Hz	Residual voltage U _A L-signal:	approx. 1.4 VDC
Ambient temperature:	-30 ... +70°C	Residual voltage U _A H-signal:	approx. U _B VDC
Protection class IEC60529 (housing):	IP65	Short circuit protection:	Yes
Housing material:	Duroplast type 31	Overload protection:	Yes
Connection cable 2m +/- 5%:	3 x 0.14 mm ² PUR	EMF protection:	Yes
Supply voltage U _B :	10 .. 35 VDC	Reverse polarity protection:	Yes
Permissible ripple:	≤ 10% U _B	Supply voltage:	Green LED
No-load current (24 VDC):	approx. 10 mA	Output function indicator:	Yellow LED
Output current I _A maximum:	300 mA	Connection for sensor:	Special connector
Max. switching power:	7.2 W	Sensing distance:	Adjustable
Supply voltage for sensor:	4 ... 8 VDC	Conformity:	CE



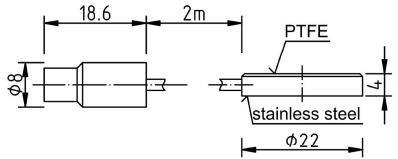
Design and technical details subject to change

Locon Sensor Systems, Inc.

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CAPACITIVE SENSORS - MINI SERIES

Sensing Distance Sn 1...10 mm adjustable

Dimensions are in mm.			
22 Ø / 4			
Part Number:			
LCA - 22/4 - 10 - F			
flush mount			

Dimensions are in mm.			
22 Ø / 10			
Part Number:			
LCA - 22/10 - 10 - F			
flush mount			

These sensors share the following specifications:

Hysteresis H max. (% of Sr)	15.0%	Rated insulation voltage Ui:	75 VDC
Switching frequency:	100 Hz	Housing material:	Stainless steel
Repeat accuracy (% of Sr):	2.0 %	Sensor face:	PTFE
Ambient temperature:	-30. . . +80°C	Connection cable 2m +/- 5%:	3 x 0.14 mm ² PUR
Temperature drift max. (% of Sr):	20 %	Connection:	Special connector
Protection class IEC 60529:	IP 66	Supply voltage with amplifier	4 ... 8 VDC

Amplifiers required for mini-series sensors

Dimensions are in mm.		
DC Amplifier		
LSA - 45/30/15-P-NO		
LSA - 45/30/15-P-NC		
LSA - 45/30/15-N-NO		
LSA - 45/30/15-N-NC		


Technical Data:		Wiring and Mounting Info	
Switching frequency:	100 Hz	Residual voltage U _A L-signal:	approx. 1.4 VDC
Ambient temperature:	-30 ... +70°C	Residual voltage U _A H-signal:	approx. U _B VDC
Protection class IEC60529 (housing):	IP65	Short circuit protection:	Yes
Housing material:	Duroplast type 31	Overload protection:	Yes
Connection cable 2m +/- 5%:	3 x 0.14 mm ² PUR	EMF protection:	Yes
Supply voltage U _B :	10 .. 35 VDC	Reverse polarity protection:	Yes
Permissible ripple:	≤ 10% U _B	Supply voltage:	Green LED
No-load current (24 VDC):	approx. 10 mA	Output function indicator:	Yellow LED
Output current I _A maximum:	300 mA	Connection for sensor:	Special connector
Max. switching power:	7.2 W	Sensing distance:	Adjustable
Supply voltage for sensor:	4 ... 8 VDC	Conformity:	CE

Design and technical details subject to change

Locon Sensor Systems, Inc.

CAPACITIVE SENSORS - MINI SERIES

Sensing Distance Sn 1...15 mm adjustable

Dimensions are in mm.		
30 Ø / 4		
Part Number:		
LCA - 30/4 - 15 - F		
flush mount		

Dimensions are in mm.		
30 Ø / 10		
Part Number:		
LCA - 30/10 - 15 - F		
flush mount		

These sensors share the following specifications:

Hysteresis H max. (% of Sr)	15.0%	Rated insulation voltage Ui:	75 VDC
Switching frequency:	100 Hz	Housing material:	Stainless steel
Repeat accuracy (% of Sr):	2.0 %	Sensor face:	PTFE
Ambient temperature:	-30. . . +80°C	Connection cable 2m +/- 5%:	3 x 0.14 mm ² PUR
Temperature drift max. (% of Sr):	20 %	Connection:	Special connector
Protection class IEC 60529:	IP 66	Supply voltage with amplifier	4 ... 8 VDC

Amplifiers required for mini-series sensors

Dimensions are in mm.		
DC Amplifier		
LSA - 45/30/15-P-NO		
LSA - 45/30/15-P-NC		
LSA - 45/30/15-N-NO		
LSA - 45/30/15-N-NC		

Technical Data:		Wiring and Mounting Info	
Switching frequency:	100 Hz	Residual voltage U _A L-signal:	approx. 1.4 VDC
Ambient temperature:	-30 ... +70°C	Residual voltage U _A H-signal:	approx. U _B VDC
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Housing material:	Duroplast type 31	Overload protection:	Yes
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Design and technical details subject to change

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