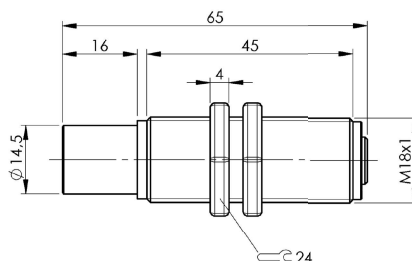


CAPACITIVE SENSORS - HIGH TEMPERATURE

Housing Diameter: **M18 x 1**

Sensing distance Sn: 1...10 mm +/- 10%



Dimensions are in mm.

Part Number:
LCA-250HT-M18-10-NF
non-flush mount

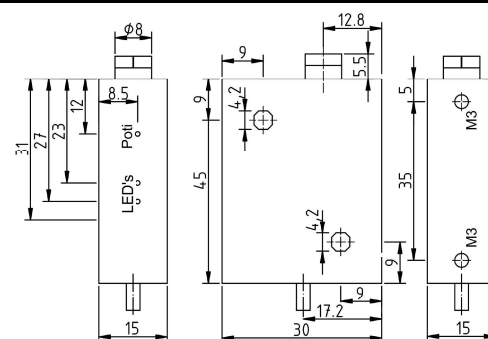
Sensor Data:

Housing: Stainless steel
Sensing face: PTFE
Connection: Triax sensor cable
Supply voltage U_B : 4 ... 8 V DC
Ambient temperature T_a : 180...+250°C
Degree of protection: IP 54

SENSOR AMPLIFIER - DC

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



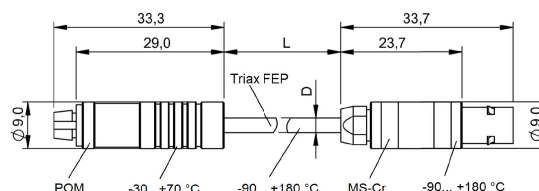
Technical Data:

Switching frequency:	100 Hz
Ambient temperature:	-30 ... +70°C
Protection class IEC60529 (housing):	IP65
Housing material:	Duroplast type 31
Connection cable 2m +/- 5%:	3 x 0.14 mm² PUR
Supply voltage U_B :	10 .. 35 VDC
Permissible ripple:	≤ 10% U_B
No-load current (24 VDC):	approx. 10 mA
Output current I_A maximum:	300 mA
Max. switching power:	7.2 W
Supply voltage for sensor:	4 ... 8 VDC

Wiring and Mounting Info

Residual voltage U_A L-signal:	approx. 1.4 VDC
Residual voltage U_A H-signal:	approx. U_B VDC
Short circuit protection:	Yes
Overload protection:	Yes
EMF protection:	Yes
Reverse polarity protection:	Yes
Supply voltage:	Green LED
Output function indicator:	Yellow LED
Connection for sensor:	Special connector
Sensing distance:	Adjustable
Conformity:	CE

Sensor cable: Connectors for high-temperature sensors



Dimensions are in mm.

Part Number:
LCAL-HT

Material Data:

Connection: 2m Triax FEP
Ambient temperature T_a see drawing
Degree of protection: IP 54

Design and technical details subject to change

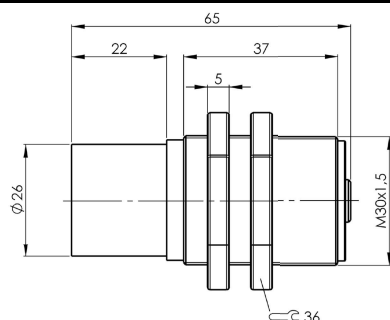
Locon Sensor Systems, Inc.

CAPACITIVE SENSORS - HIGH TEMPERATURE

Housing Diameter: **M30 x 1.5**



Sensing distance Sn: 1...20 mm +/- 10%



Dimensions are in mm.

Part Number:

LCA-250HT-M30-20-NF

non-flush mount

Sensor Data:

Housing: Stainless steel

Sensing face: PTFE

Connection: Triax sensor cable

Supply voltage U_B : 4 ... 8 V DC

Ambient temperature T_a : 180...+250°C

Degree of protection: IP 54

SENSOR AMPLIFIER - DC

Dimensions are in mm.

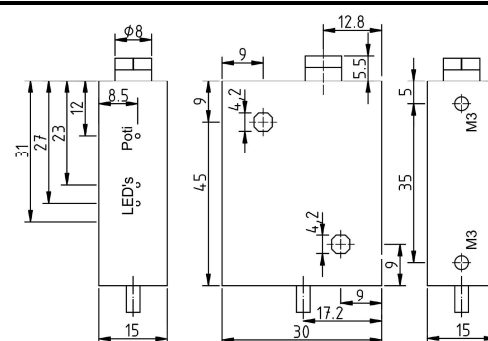
DC Amplifier

LSA - 45/30/15-P-NO

LSA - 45/30/15-P-NC

LSA - 45/30/15-N-NO

LSA - 45/30/15-N-NC

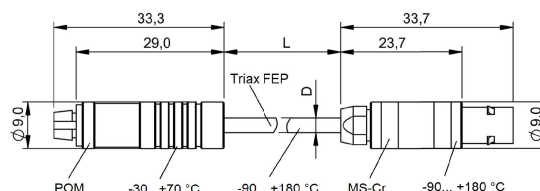


Technical Data:

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

Sensor cable: Connectors for high-temperature sensors



Dimensions are in mm.

Part Number:

LCAL-HT

Material Data:

Connection: 2m Triax FEP

Ambient temperature T_a see drawing

Degree of protection: IP 54

Design and technical details subject to change

Locon Sensor Systems, Inc.

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