**CAPACITIVE SENSORS - HIGH TEMPERATURE**

**Housing Diameter:** M18 x 1

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

**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**

**Part Number:**
- 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 $U_s$: 10 ... 35 VDC
- Permissible ripple: $\leq 10\% U_s$
- 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 $U_s$, L-signal: approx. 1.4 VDC
- Residual voltage $U_s$, H-signal: approx. $U_B$ VDC
- Short circuit protection: Yes
- EMF protection: Yes
- Reverse polarity protection: Yes
- Short circuit 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**

**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.*

Toll-Free: 800-356-2661 · Phone: 419-740-8445 · Fax: 216-359-0077 · E-mail: sales@locon.net · Website: www.locon.net
**CAPACITIVE SENSORS - HIGH TEMPERATURE**

**Housing Diameter:** M30 x 1.5

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

**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

**Dimensions are in mm.**

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**SENSOR AMPLIFIER - DC**

Dimensions are in mm.

**DC Amplifier**

<table>
<thead>
<tr>
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</tbody>
</table>

**Technical Data:**

- Switching frequency: 100 Hz
- Residual voltage U_L-signal: approx. 1.4 VDC
- Residual voltage U_H-signal: approx. U_B VDC
- Ambient temperature: -30 ... +70°C
- Short circuit protection: Yes
- Overload protection: Yes
- Protection class IEC60529 (housing): IP65
- EMF protection: Yes
- Housing material: Duroplast type 31
- Reverse polarity protection: Yes
- Connection cable 2m +/- 5%: 3 x 0.14 mm² PUR
- Supply voltage U_B: 10 .. 35 VDC
- Supply voltage: Green LED
- Permissible ripple: ≤ 10% U_B
- Output voltage indicator: Yellow LED
- No-load current (24 VDC): approx. 10 mA
- Connection for sensor: Special connector
- Output current I_A maximum: 300 mA
- Max. switching power: 7.2 W
- Sensing function: Adjustable
- Supply voltage for sensor: 4 ... 8 VDC
- Conformity: CE

**Wiring and Mounting Info**

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Sensor cable: Connectors for high-temperature sensors

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**Material Data:**

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

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Design and technical details subject to change

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