RoHS PA-T IP65 +90° -30°

MATERIAL
Transparent polyamide based (PA-T) technopolymer. Highly resistant to shocks, solvents, oils with additives, aliphatic and aromatic hydrocarbons, petrol, naphtha, phosphoric esters.
Avoid contact with alcohol or detergents containing alcohol.

SCREW, NUTS AND WASHERS
Zinc-plated steel.

PACKING RINGS
NBR synthetic rubber O-Ring.
Suggested roughness of the packing ring application surface Ra = 3 µm.

MAX TEMPERATURE ELECTRICAL SENSOR (80°C)
Zinc-plated screw with built-in sensor.
Temperature of intervention is 80°C.
For a correct assembly see Warnings (see page 1613).

SWIVELLING TWO-PIN CONNECTOR
With built-in cable gland and contact holder. Front or side output (right or left) including protection against water sprays (protection class IP 65 according to EN 60529 see page A-18) that can be increased during installation with the necessary adjustments. Flat NBR synthetic rubber packing rings.

CONTRAST SCREEN
White lacquered aluminium. The housing, in the appropriate external rear slot, guarantees the best protection from direct contact with fluid. It can be taken out from the inclined side, before assembly to allow the insertion of level lines or words.

STANDARD EXECUTIONS
- **HCX-ST-NO**: with electrical contact normally open.
- **HCX-ST-NC**: with electrical contact normally closed.

MOUNTING
When fitting is not possible from the inside of the reservoir and the walls are not thick enough, the screws can be used together with Fast Mounting Kit (see page 1597).

MAXIMUM CONTINUOUS WORKING TEMPERATURE
90°C (with oil).

FEATURES AND PERFORMANCES
This column level indicator generates an electric signal when the temperature reaches the pre-set degrees (80°C).
Ultrasound welding to guarantee a perfect seal.
Maximum fluid level visibility even from side positions.
Lens effect for a better visibility of the fluid level and temperature.

TECHNICAL DATA
In laboratory tests carried out with mineral oil type CB68 (according to ISO 3498) at 23°C for a limited period of time, the weld stood up to: 18 bar (HCX.127-ST) 12 bar (HCX.254-ST).
For use with other fluids and under different pressure and temperature conditions, please contact ELESA Technical Department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST
- Level indicators for use with fluids containing alcohol or with hot water.
- UV resistant transparent technopolymer indicators.
- Temperature electrical sensor with pre-set temperatures different from 80°C.
- Indicators with two red ball-shaped floats.

ELESA Original design

elesa 11/2019

FUNCTIONING

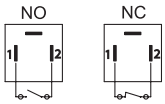
- HCX-ST-NO with electrical contact normally open.

Electrical temperature sensor: the electrical circuit is closed when the pre-set temperature at 80°C is reached.

- HCX-ST-NC with electrical contacts normally closed.

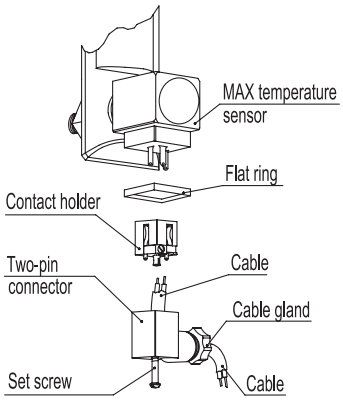
Electrical temperature sensor: the electrical circuit is open when the pre-set temperature at 80°C is reached.

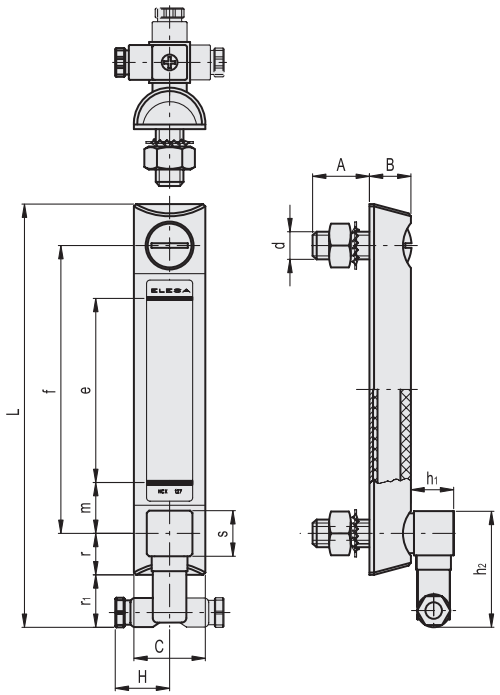
Electrical features	MAX temperature sensor	
Power supply	AC/DC	
Electric contacts	NO normally open NC normally closed	
Voltage / Maximum current	250 Vac - 10 A 48 Vdc - 5 A	(resistive loads)
Cable gland	Pg 7 (for cables in sheath with Ø 6 or 7 mm)	
Conductors cross-section	Max 1.5 mm^2	

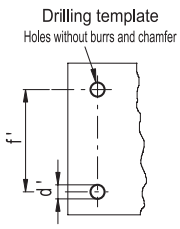


TWO-PIN CONNECTOR ASSEMBLY INSTRUCTIONS

1. Remove the connector from the indicator by unscrewing the set screw placed in the bottom, take the contact holder out and loosen the cable gland.
2. Slip on the two-pole cable into the connector (standard connector) and connect the wires to the terminals nr. 1 and nr. 2 of the contact holder.
3. Assemble by pressing the contact holder into the connector in the required position.
4. Screw the connectors to the indicator and then tighten the cable glands.







Code	Description	f	d	A	B	C	H	L	e	h1	h2	m	r	r1	s	d'-0.2	f'±0.2	C# [Nm]	⚖
11161	HCX.127-ST-NO-M12	127	M12	23	18	31	27	187	80	21	54	23	17	26	22	12.5	127	12	220
11162	HCX.127-ST-NC-M12	127	M12	23	18	31	27	187	80	21	54	23	17	26	22	12.5	127	12	220
11171	HCX.254-ST-NO-M12	254	M12	21	18	35	27	315	203	21	54	26	18.5	24	22	12.5	254	10	265
11172	HCX.254-ST-NC-M12	254	M12	21	18	35	27	315	203	21	54	26	18.5	24	22	12.5	254	10	265

Maximum tightening torque.