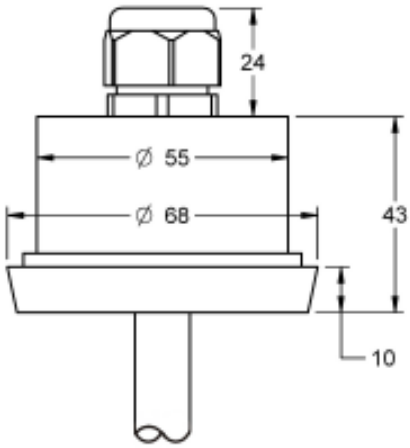
DISIBEINT

N DN50



CONDUCTIVE ELECTRODES

Description	Probe body for tanks with DIN11851 flange alimentary.
Body material / colour	PTFE / white
Electrode	SS AISI316 (1.4401) Ø5 mm. On request Ø10 mm. The number of electrodes depends on the function level control is being performed.
Electrode insulation	Supplied with covering PTFE protector to ensure detection set points.
Electrode length	30..1000 mm. All the electrodes are supplied to the same length. To establish the level detection points, cut each electrode to the desired height in each case. Remember the common or reference electrode must be of equal or greater length than any of the rest.
Process connection	Set top DN50 DIN 11851 (see photo).
Electrical connection	PVC or silicone cable. Standard length 3000 mm. Specials lengths on request.
Maximum temperature	+100 ºC
Pressure	1 Kg/cm² (to 20 ºC)
Utilizables con	Level relays for conductive liquids: families relay PN, DN and SN (see last page).
Warning	DISIBEINT ELECTRONIC SL is not responsible of the electric behavior of these electrodes when using control relays belonging another manufacturers.

Reference composition

			Nr Electrodes	Length (mm)
N	DN50	05	1E 2E 3E 4E	30..1000

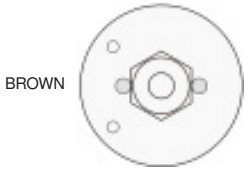
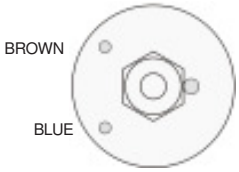
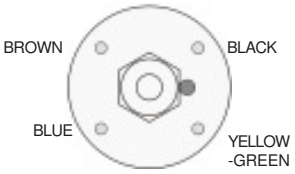
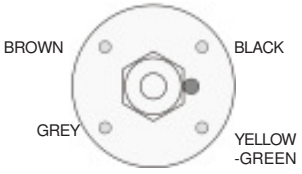
To compose the reference, select one option of each column. Example: **N DN50 2E**

Installation examples

The sleeve and the nut of attachment are not provided.

View of the assembled set

Identification of the electrodes

Electrodes	Cable	
	Silicone	PVC
1		
2		
3		
4		

For relating the electrodes with a corresponding wire color, look where the sensor cap shown indicatively different brands available to them.

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LEVEL RELAY FOR CONDUCTIVE LIQUIDS

· Electrode holder compact and exclusive use electrodes in conductive liquids.
Used level control points independent or combined among themselves in low-lying deposits.
· They need to connect to a level relay for conductive liquids
· The number of electrodes is determined by the chosen relay function

PNSA	DNSA	SNSA

· **Control of level maximum and/or minimum**
· General application
· Sensitivity: 10..100Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNFA	DNFA	

· **Combined control of phase failure and maximum and/or minimum level**
· Sensitivity: 10..100Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNCA	DNCA	
PNCB	DNCB	

· **Supply voltage DC or AC**
· **Doble contact of relay**
· Control of maximum and/or minimum level
· Sensitivity: 8..45 Kohms
· Voltage/Current (probes): 6,2 VAC/3,2 mA

PNEA	DNEA	

· **For high resistivity liquids: distilled water, demineralized...**
· Maximum and/or minimum level
· Two ranges of sensitivity: 10..100 Kohms / 200 Kohms..4,7 Mohms
· Voltage/Current (probes): 24VAC/4mA

PNDA	DNDA	

· **Automatic control of well and tank**
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4mA

PNGA	DNGA	

· **Double level control**
· Two controls of independents levels
· **Contacts NO**
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNHA	DNHA	

· **Double level control**
· Two controls of independents levels
· **Contacts NC**
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

		SNDA

· **Two independent level controls**
· Contacts NO/NC
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

		SNZA

· **Control of 3 independent levels, from the same tank or not**
· Many application possibilities
· Independent settings for each relay
· Max-Min function or by level point
· Timing to detection level: 0..10s
· Sensitivity: 1..100Kohms
· Voltge/Current (probes): 5 VAC/4 mA

		MNZA

· **Three independent level controls**
· Contacts NO/NC
· Maximum and/or minimum level
· Without box. For direct mounting on rail DIN
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA