| Max. contact loads of the reed switch: | SPST 100 VA; 3.0 A; 250 VAC (NC/NO). <br> SPDT 20 VA; 0.5 A; 250 VAC (Change-over contact). |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| The data NC/NO are defined for: an empty tank / rising level. |  |  |  |
| Specifications |  |  |  |
| Materials |  |  |  |
| Stem | Brass | Stainless Steel |  |
| Mounting elements | Brass | Stainless Steel |  |
| Flange |  | Stainless Steel only |  |
| Float | Buna N | Stainless Steel | PTFE |
| Operating pressure | 10 bar | 30 bar | 3 bar |
| Float temperature | $\begin{aligned} & -40^{\circ} \mathrm{C} \text { to }+80^{\circ} \mathrm{C} \text { Water } \\ & -40^{\circ} \mathrm{C} \ldots+110^{\circ} \mathrm{C} \text { Oil } \end{aligned}$ | $-40^{\circ} \mathrm{C}$ to $+150^{\circ} \mathrm{C}$ | $-40^{\circ} \mathrm{C}$ to $+150^{\circ} \mathrm{C}$ |
| Min. specific gravity of the liquid | $0.58 \mathrm{~g} / \mathrm{cm}^{3}$ | $0.80 \mathrm{~g} / \mathrm{cm}^{3}$ | $0.71 \mathrm{~g} / \mathrm{cm}^{3}$ |
| Depth of immersion at a density of 1 | $\sim 20 \mathrm{~mm}$ | $\sim 30 \mathrm{~mm}$ | $\sim 34 \mathrm{~mm}$ |
| Protection rating | IP65 (IP64 for Potted Cable/Leads) |  |  |


| Mounting Direction |  |
| :---: | :---: |
| Tank top:0 | Bottom:U |



## Switching Groups

(Pin correlation of the plug connectors)

|  | white (1) |
| :---: | :---: |
| L7 | __red |
| -L6 | -_blue |
|  |  |
| - L5 | ——mink (6) |
| -L4 | grey (5) |
| L3 | - yellow (4) |
| - $\mathrm{L}^{2}$ | - green (3) |
| -L1 | - brown (2) |

Group 1, max. 7 switch points, NC/NO

Group 2, max. 4 switch points, NC/NO


Group 4, max. 3 switch points (SPDT)

## Options

## Vertical adjustment

Vertical adjustment is only available with tank screw ( T ). It allows the stem to be adjusted vertically, limited only by the distance from the top stop ring to the electrical connector less the thickness of the mounting.
(Combination with bulkhead fitting "AM/AC" is not possible)

Vertical adjustment
VVM = Brass
VVC = Stainless Steel
max. pressure: 10 bar


## Slosh shield

Each switch point can be equipped with a slosh shield, made from Stainless Steel, to avoid unintentional repetitive opening and closing of the switch due to turbulence or ripple.
(Combination with tank screw "TM/TC" is not possible)

Slosh shield
Material: Stainless Steel
DH


## Temperature Switch

For Large or OEM applications the LS-800 may be fitted with a temperature switch.
It is installed at the lower end of the stem and reduces the
number of switch points by one.
Maximum Rating 2A, 120 Vac or 2A, 24 Vdc
For full specification contact your sales office.
TS


42
(Please copy and use as order form)
Customer: $\qquad$
Order no.: $\qquad$ Quantity: $\qquad$
Application specific data: (Please complete fully and accurately)


## Dimensions

$\mathrm{L}_{\mathbf{0}}=3000 \mathrm{~mm}$ max.
$\mathbf{A}=60 \mathrm{~mm}$ min. distance to highest switch
point.
B $=50 \mathrm{~mm}$ min. distance between stem and lowest switch point.
$\mathbf{C}=75 \mathrm{~mm}$ min. between two switch points
D $=7 \mathrm{~mm}$ min. dual action
(One float actuates two switch points).
Reference edge (Sealing Face)
5.
4.

2. Mounting:

| Tank screw G2" | Brass |
| ---: | :--- |
| Bulkhead fitting | Stainless Steel <br> Brass <br> Stainless Steel <br> Put in plug G1/2" <br>  <br> Brass <br> Stainless Steel <br> Put in plug G1/4" |
|  | Stainless Steel |
| No Mounting: | Stainless Steel |
|  | Brass |
| Stainless Steel |  |

3. Floats:
$\begin{array}{ll} & \text { Stainless Steel } \\ \text { 4. Electrical connection: } & \text { Plug connector DIN } 43650\end{array}$
Plug connector DIN 43651 (Not with AM/AC)
Plug connector DIN 43
Cable gland
Potted Cable
Potted Leads
Terminal box 6-poles
Terminal box 12-poles
Plug connector DIN 43
Cable gland
Potted Cable
Potted Leads
Terminal box 6-poles
Terminal box 12-poles
Plug connector DIN 43
Cable gland
Potted Cable
Potted Leads
Terminal box 6-poles
Terminal box 12-poles
Plug connector DIN 43
Cable gland
Potted Cable
Potted Leads
Terminal box 6-poles
Terminal box 12-poles
Plug connector DIN 43
Cable gland
Potted Cable
Potted Leads
Terminal box 6-poles
Terminal box 12-poles
4. Switching group:
5. Options:

Group 1
Group 2
Group 3
Group 4
Vertical adjustment Brass
3.
$\begin{array}{ll}\text { 1. Mounting direction: } & \begin{array}{l}\text { Through tank top } \\ \text { Through tank bottom }\end{array}\end{array}$


$\square \mathrm{EN}$
$\square \mathrm{EC}$


OM
OC

Vertical adjustment Stainless Steel
Slosh Shield
Temperature Switch
Bent Stem
Level dimensions (Tolerances $\pm 3 \mathrm{~mm}$ ) related to the mid of float.


