Multiple Level Switch LS-800E (1-7 switch points)

Max. contact loads of the reed switch:

SPST 100 VA; 3.0 A; 250 Vac (NC/NO).

SPDT 20 VA; 0.5 A; 250 Vac (Change-over contact).

The data NC/NO are defined for: an empty tank / rising level.

Specifications

Protection rating	IP65 (IP64 for Potted Cable/Leads)					
Depth of immersion at a density of 1	~20mm	~30mm	~34mm			
Min. specific gravity of the liquid	0.58g/cm ³	0.80g/cm ³	0.71g/cm ³			
Float temperature	-40°C to +80°C Water -40°C+110°C Oil	-40°C to +150°C	-40°C to +150°C			
Operating pressure	10 bar	30 bar	3 bar			
Materials Stem Mounting elements Flange Float	Brass Brass Buna N	Stainless Steel Stainless Steel Stainless Steel only Stainless Steel	PTFE			

Atex certified p/no.s available upon request

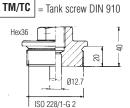
Mounting Direction

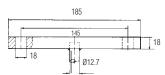
Tank top: 0 Bottom: U

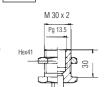
Mounting Types

(Material: Stainless Steel or brass)

BCC = Flange DN65-PN 16

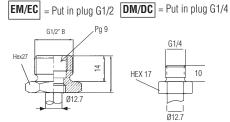


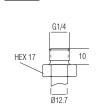




= Bulkhead fitting

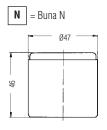
AM/AC

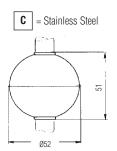


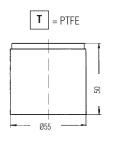


Available with Potted Cable/Leads Option only

Floats

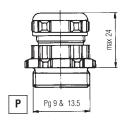




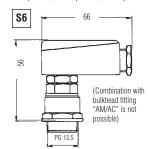


Electrical Connections

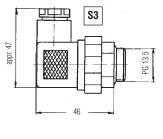
Pg 13.5 Cable and gland Cable standard length appr. 1m; Temperature: -20 ... +80°C



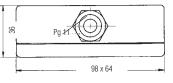
Plug connector acc. DIN43651* 6 poles + earth Temperature: -20...+90°C max switch points: Group 1:5, Group 2: 3, Group 3: 2, Group 4: 2



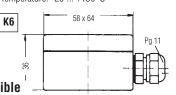
Plug connector acc. DIN43650* 3 poles + earth Temperature: -20 ... +90°C max switch points: Group 1:2, Group 2:1



Terminal box 12 poles* Temperature: -20 ... +150°C



Terminal box 6 poles* Temperature: -20 ... +150°C



* Combination with put in plug "EM/EC" is not possible

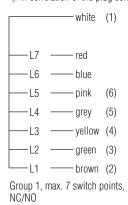
K12

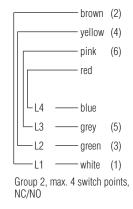
LEVEL SWITCHES

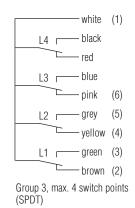


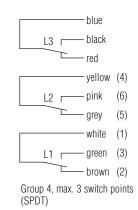
Switching Groups

(Pin correlation of the plug connectors)









Options

Vertical adjustment

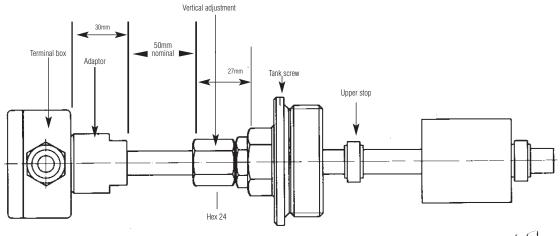
Vertical adjustment is only available with tank screw (T). It allows the stem to be adjusted vertically, limited only by the distance from the top stop ring to the electrical connector less the thickness of the mounting.

(Combination with bulkhead fitting "AM/AC" is not possible)

Vertical adjustment



max. pressure: 10 bar



Slosh shield

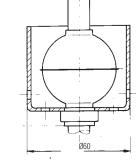
Each switch point can be equipped with a slosh shield, made from Stainless Steel, to avoid unintentional repetitive opening and closing of the switch due to turbulence or ripple.

(Combination with tank screw "TM/TC" is not possible)

Slosh shield

Material: Stainless Steel

DH

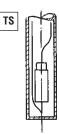


Temperature Switch

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.





LS-800E Multiple Level Switch check list

LEVEL SWITCHES

Customer:	ioiiii)					ensions
Order no.: Quantity:				•	000mm max. Omm min. distance to highest switch	
	(Please complete fully and accurately)				point.	·
						Omm min. distance between stem and owest switch point.
						5mm min. between two switch points
2. Pressure (bar): Mir	1 Max				('mm min. dual action Note: one float or two levels can be used
3. Temperature (°C): Mir	Max					nly when low level is NC, dry & high is 10 dry).
4. Specific gravity (g/cm3):	Min	N	Лах		Reference ed	dae
5. Viscosity (SSU):					(Sealing Fac	ce)
6. Tank: Material	Depth					14 A
7. Connection periphery (eg re	lay, PLC,):					
LS-800E						
1.	2. 3.	4.		5.	6.	
1. Mounting direction:	Through tank top Through tank bottom		0 U			
2. Mounting:						L1
Tank screw G2"	Brass		TM			B
Bulkhood fitting	Stainless Steel	님	TC	_	n	
Bulkhead fitting	Brass Stainless Steel	H	AM AC			Bent Stem Option
Put in plug G1/2"	Brass	H	EM	T	SPST:	
	Stainless Steel		EC		Only NO	SPDT: 50
Flange DN 65/PN16	Stainless Steel		BCC	, D		alternatively NO/NC
Put in plug G1/4"	Brass Stainless Steel	님	DM DC	1	Only NC	Add 50mm to 'A' Dimension
No Mounting:	Brass	H	OM	اما وسنار اورو ا	neione (Tol	erances ± 3mm) related to the
.	Stainless Steel		00	mid of floa		erances ± Jinni) related to the
3. Floats:	Buna N		N	-		8 4
	Teflon		T	ce level		roup 1 coup 2 roup 2 roup 2 group
	Stainless Steel	Ш	С	Distan		NO gra NC gra NO gra SPDT SPDT
4. Electrical connection:	Plug connector DIN 43650	\sim \square	S3	L1 =		
	Plug connector DIN 43651 (Not with AM/A Cable gland		S6* P			
	Potted Cable		VC	L2 =		
	Potted Leads		VL	L3 =		
	Terminal box 6-poles Terminal box 12-poles	님	K6 K12	L4 =		
5. Switching group:	Group 1		1	L5 =		
or ournaming group.	Group 2		2	L6 =		
	Group 3		3	L7 =		
	Group 4		4	L0 =		±2mm max 3000 mm
6. Options:	Vertical adjustment Brass	닏	VVM		ify pach no	on listed part:
	Vertical adjustment Stainless Steel Slosh Shield	片	VVC DH	i icase shel	my Gabii ilu	οι ποισα ματι.
	Temperature Switch	H	TS			
	Bent Stem		BS			
*S6 not available with AM/AC	Stand	ard Pro	ducts in b	old		