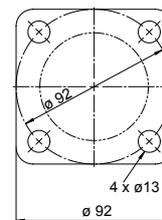
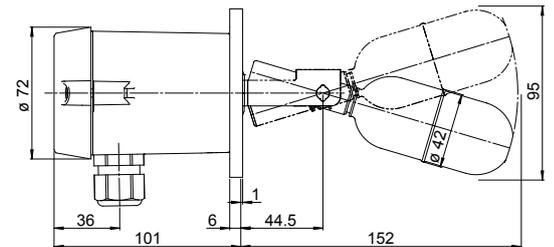
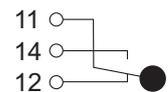


Side mounted switches for high or low alarm duties (incl. gasket)

Nominal pressure	PN 10
Operating temperature	0 to 150°C
Ambient temperature	0 to 70°C
Density of the liquid	min. 0.7 kg/dm ³
Operating differential	12 mm, fixed
Wetside material	Stainless steel (CrNiMo)
Flange material	Stainless steel (CrNiMo)
Housing material	seawater resistant die cast aluminium
Flange	square 92 x 92 mm, 92 mm PCD
Switch element	Microswitch SPDT with silver contacts
Switch rating	250 VAC, 3 A 30 VDC, 0.5 A
Enclosure	IP65
Weight	approx. 0.9 kg
Cable entry	M20 x 1.5
Safety Integrity Level (SIL)	SIL 1



Flange dimensions



Connection diagram

Option: Type DC 01C 05

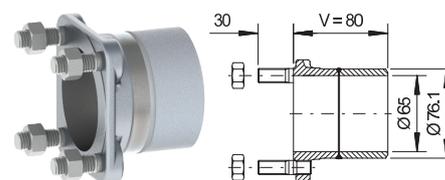
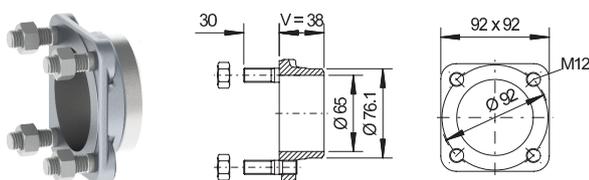
Operating temperature	0 to 120°C
Enclosure	IP67

(All other technical data as type C 01C 05)

Counterflange with and without test actuator

The simplest method of installing any Trimod Besta Compact switches is to use our standard weld-on counterflanges. There are two different lengths of counterflanges in P250GH carbon steel or 1.4404 stainless steel, with or without test actuator. The test actuator allows a periodic manual function check of the level switch in operating status. The function of the switching element and movement of the float can be tested.

Counterflange



Type	Flange length	Flange material	Stud material	Stud length
2829.1	V = 38 mm	P250GH	5.8	30 mm
2831.3	V = 38 mm	1.4404	A2	30 mm

Type	Flange length	Flange material	Stud material	Stud length
2829.1V80	V = 80 mm	P250GH	5.8	30 mm
2831.3V80	V = 80 mm	1.4404	A2	30 mm

Counterflange V=50 mm, with test actuator

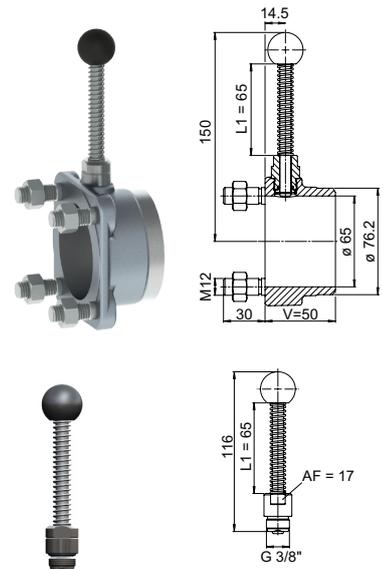
Important: Positioning of counterflanges with G 3/8" thread for test actuator.
 If the level switch is used for high alarm the thread has to look upwards.
 For a low level alarm, the thread has to look downwards.

Type	Flange material	Stud material	Test actuator material	O-ring
2865	P250GH	5.8	1.4305/1.4404	FPM
2866	P250GH	5.8	1.4305/1.4404	EPDM
2868	1.4404	A2	1.4305/1.4404	FPM
2869	1.4404	A2	1.4305/1.4404	EPDM

Type	Test actuator material	O-ring
2380	Test actuator	FPM
2381	Test actuator	EPDM

Temperature range

- Counterflange
 - Material P250GH: -10 to 300°C
 - Material 1.4404: -196 to 400°C
- Test actuator
 - with FPM O-Ring: 0 to 150°C
 - with EPDM O-Ring: -30 to 150°C
- Operating pressure: -1 to 25 bar



Float chambers

For external mounting (bypass) of level switches with a square flange. This type of mounting allows functional checks and servicing without interruption of operation if shut-off and drain valves are available in the supply lines. The float chambers are available in different designs and materials.

Services and Q certifications

- Test report in accordance with EN 10204-2.2
- Inspection certificate in accordance with EN 10204-3.1
- Non destructive testing such as ultrasonic, x-ray, dye penetrant or magnetic particle examination
- Material testing including charpy, tensile and hardness
- Design-examination for PED in accordance with 97/23/EC
- Coatings

We have the following available

- Procedure qualification record: AD 2000-HP2/1
- Approved welders in accordance with: AD 2000 HP3
- Approval for material transfer stamping in accordance with: SVTI 201/507

Chambres standards PN 25

Types: acc. to float chamber brochure
 Process connection: DN 25, 50 in acc. with DIN, DN 1", 2" in acc. with ANSI
 Materials: Carbon steel, high temperature steel, CrNi steel, CrNiMo steel
 Flange facing of process connection: in acc. with DIN 2526 in acc. with ANSI B16.5

Options:

- Special dimensions
- Vent and drain connection
- Long studs for mounting a test actuator
- Float chambers for low temperature applications
- Float chambers with max. hardness of HRC 22 in accordance with NACE



Certificates

- Material certificates acc. to EN 10204-2.2 & EN10204-3.1
- Test record: hydraulic pressure test and functional tests
- Test records of material tests: X-ray, ultrasonic, charpy, hardness etc.

Quality Assurance

- Besta Ltd. is certified acc. to ISO 9001.

Lloyds Register of Shipping / LRS

- Type Approval Certificate No. 05/20052(E4)

