Data sheet
Mini float switch in stainless steel with plug connection 2xM12

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Steuer- und Messtechnik

Order key

M60. 2 . A1 . B4 . 100 . 200 . 09 . 01 . 8

Type mini float switch M60

Material Tube
stainless steel tube ø8 --2

Function switching point A 24V/150mA

closes on level rise -- A1
opens on level rise -- A2
closes on level drop -- A3
opens on level drop -- A4
change over contact -- A5

Function switching points B 24VDC/150mA

closes on level rise -- B1
opens on level rise -- B2
closes on level drop -- B3
opens on level drop -- B4
change over contact-- B5

Comment:
For a device with only one switching point please use switching point B
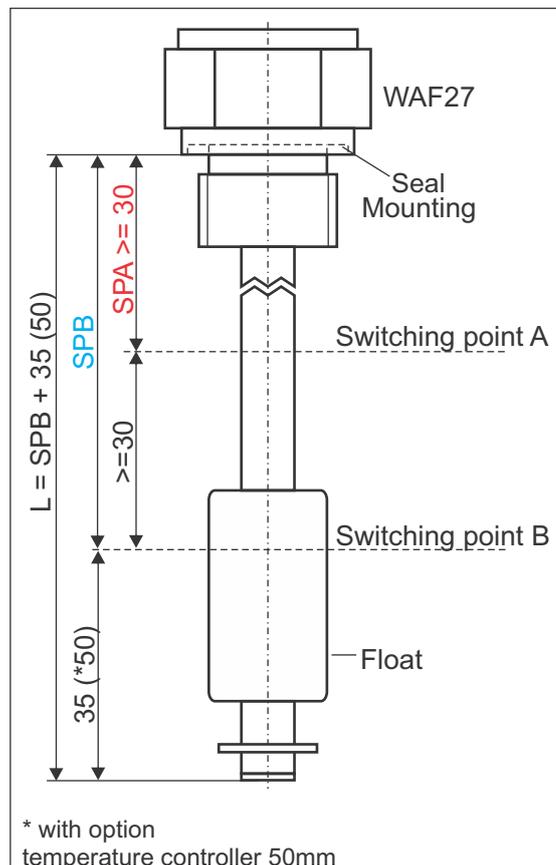Example: M60.1.B4.100.01.01.8

Switching point SPA
in mm according to customer´s indication

Switching point SPA
in mm according to customer´s indication

Connection
2x M12 4 pol --- 09

Flaot switch
ø17,8x32mm material NBR --- 8

Mounting material alu / Pa6
screwed connection 1/2" --------- 27
screwed connection 3/4" --------- 13
screwed connection 1" ------------ 22
round flange ø74 Lk60 -- 46
screwed connection M20x1,5 --- 01
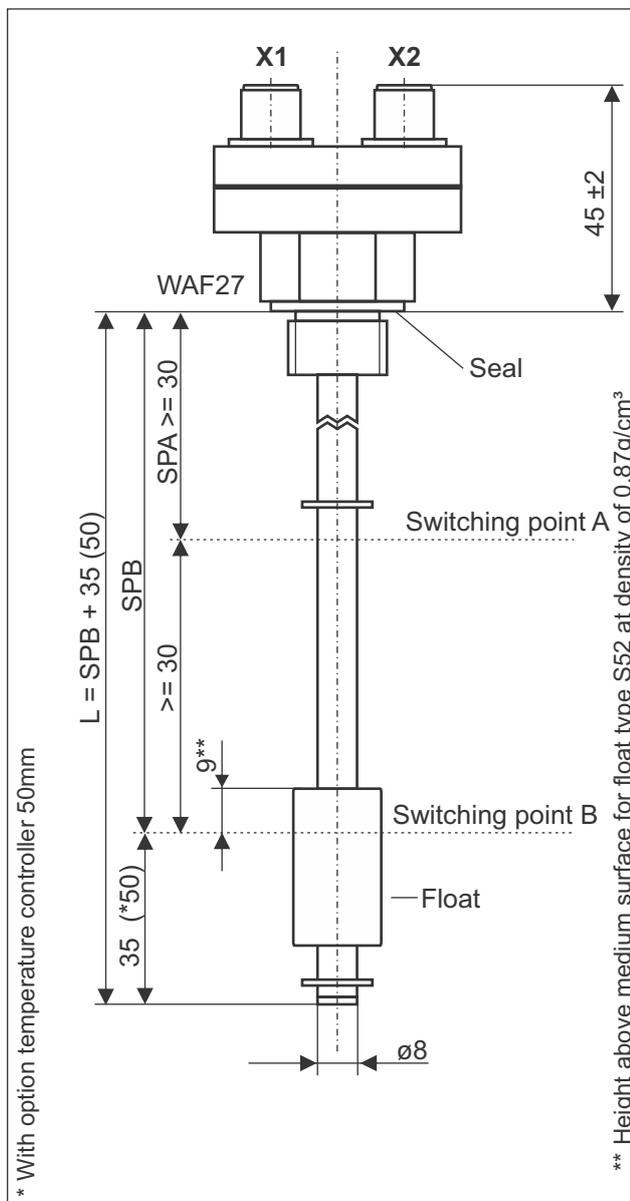screwed connection M22x1,5 --- 24
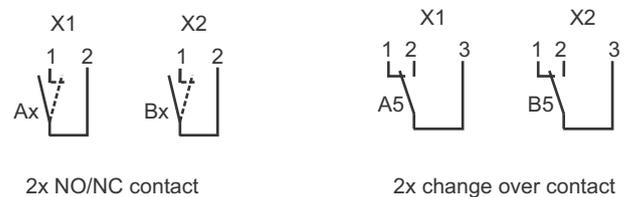screwed connection M24x1,5 --- 33

WAF27
Seal
Mounting
SPA >= 30
SPB
L = SPB + 35 (50)
Switching point A
>=30
Switching point B
Float
35 (*50)

* with option
temperature controller 50mm

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.27.8
Mounting 1/2"

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X1 X2

45 ±2

WAF27

Seal

SPA >= 30

Switching point A

SPB

L = SPB + 35 (50)

>= 30

9**

Switching point B

35 (*50)

Float

ø8

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³

Terminal diagrams

X1   X2
1   2   1   2
Ax   Bx

2x NO/NC contact

X1   X2
1 2   3   1 2   3
A5   B5

2x change over contact
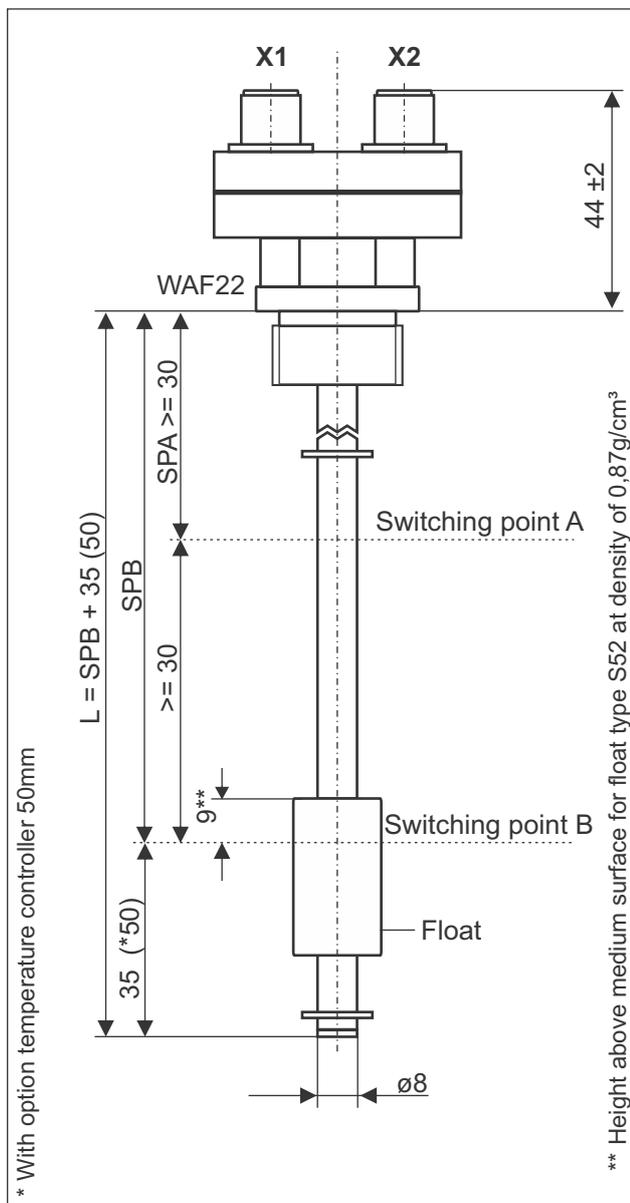
Technical data:

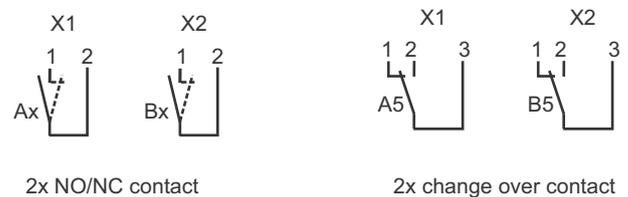|	
Anschluss:	plug-type connector 2x M12x1 4-pole, material TPU, on aluminium housing thread 1/2", material stainless steel
Befestigung:	vertical ± 10°
Einbaulage:	profile seal, material NBR
Dichtung:	ø8mm material stainless steel, length and material acc. to customer specification
Gleitrohr:	ø17,8x32mm, material NBR, type S52
Schwimmer:	max. 2x reed contact n.o., contact / n.c. contact or 2x change over contact,
Reedkontakt:	function bistable
Schaltspannung:	max. 24VDC
Schaltstrom:	150mA
Druck:	max. 1 bar
Einsatztemperatur:	-20°C to100°C in medium, -15°C to 70°C above mounting
Schutzart:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.13.8
Mounting 3/4"

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X1   X2

WAF22

44 ±2

SPA >= 30

Switching point A

SPB

>= 30

L = SPB + 35 (50)

9**

Switching point B

35 (*50)

Float

ø8

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³

Terminal diagrams

X1   X2

1 2   1 2

Ax   Bx

2x NO/NC contact

X1   X2

1 2   3   1 2   3

A5   B5

2x change over contact

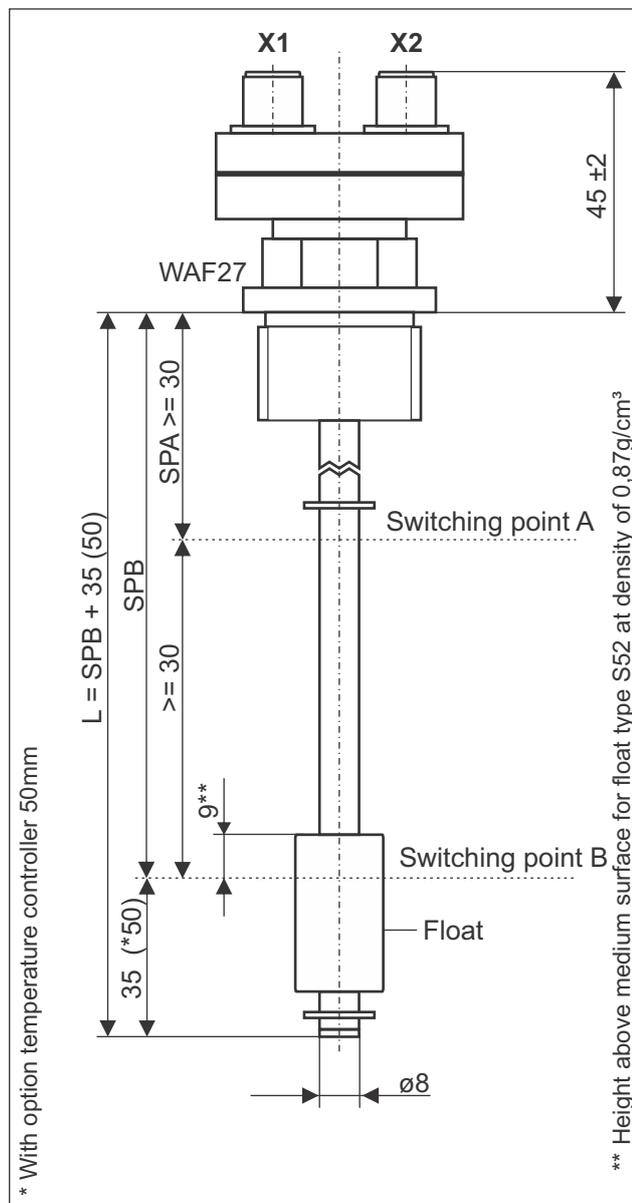## Technical datasche Daten:

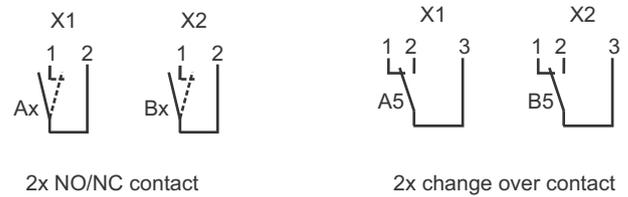|	
Connection:	plug-type connector 2x M12x1 4-pole, material TPU, on alu housing
Mounting:	thread 3/4", material aluminium
Mounting position:	vertical ± 10°
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
Float:	ø17,8x32mm, material NBR, type S52
Reed contact:	max. 2x reed contacts n.o., contact / n.c. contact or 2x change over contact, function bistable
Switching voltage:	max. 24VDC
Switching current:	150mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.22.8
Mounting 1"

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X1 X2

45 ±2

WAF27

SPA >= 30

L = SPB + 35 (50)

SPB

>= 30

Switching point A

9**

Switching point B

Float

35 (*50)

ø8

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³

Terminal diagrams

X1   X2

1 2   1 2
Ax   Bx

2x NO/NC contact

X1   X2

1 2 3   1 2 3
A5   B5

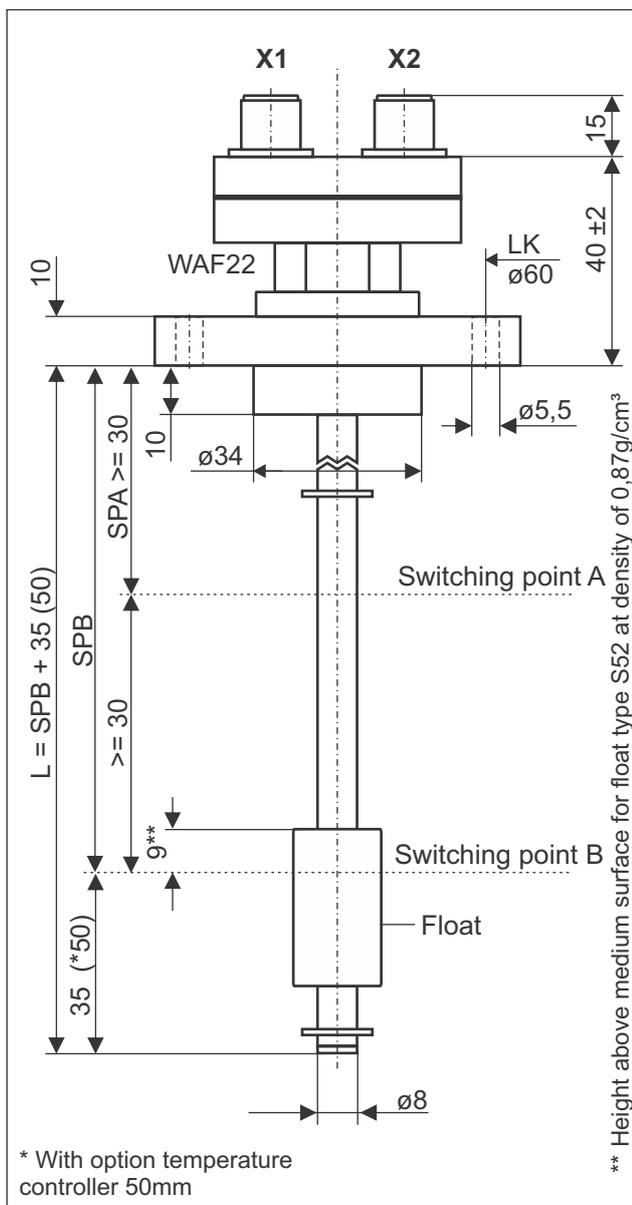2x change over contact

Technical data:

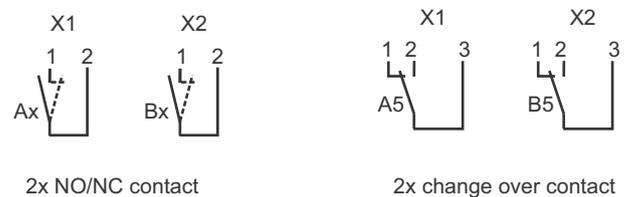|	
Connection:	plug-type connector 2x M12x1 4-pole, material TPU, on aluminium housing
Mounting:	thread 1", material aluminium
Mounting position:	vertical ± 10°
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
Float:	ø17,8x32mm, material NBR, type S52
Reed contact:	max. 2x reed contact, n.o. contact / n.c. contact or 2x change over contact, function bistable
Switching voltage:	max. 24VDC
Switching current:	150mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.46.8
Mounting round flange

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Ts01 - 01.08.2024 - be - G: je - TS_DoNr_Mini.cdr

X1 **X2**

15

40 ±2

10

WAF22

LK
ø60

ø5,5

10

ø34

SPA >= 30

L = SPB + 35 (50)

SPB

Switching point A

>= 30

9**

Switching point B

Float

35 (*50)

ø8

** Height above medium surface for float type S52 at density of 0,87g/cm³

* With option temperature controller 50mm

Terminal diagrams

X1
1   2
Ax

X2
1   2
Bx

2x NO/NC contact

X1
1 2   3
A5

X2
1 2   3
B5

2x change over contact
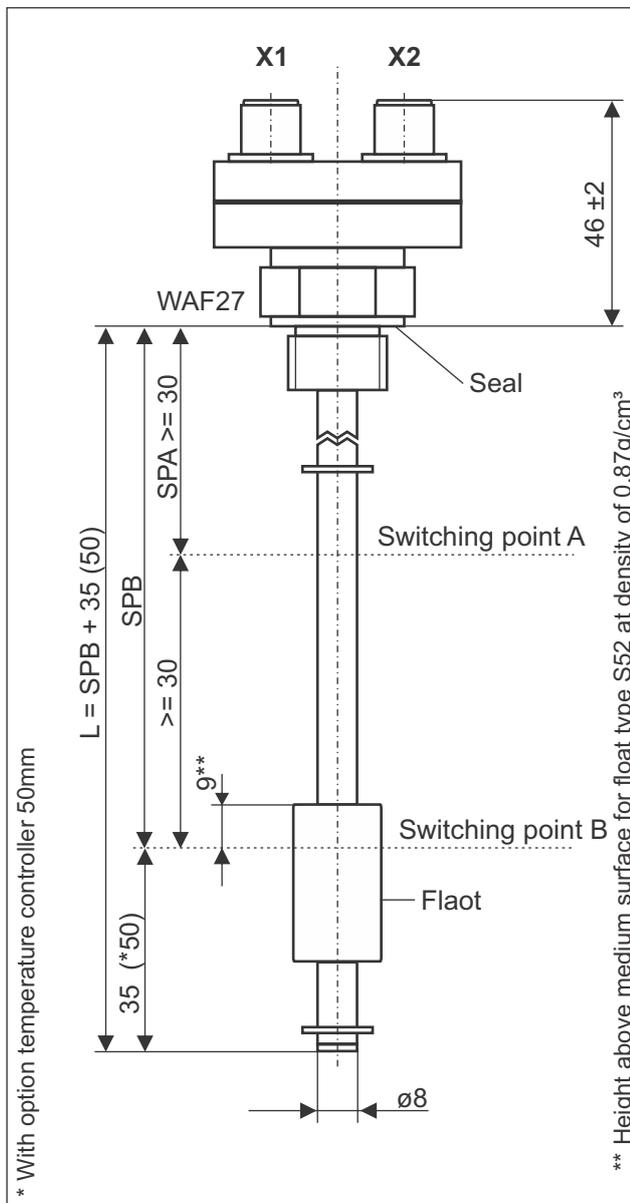
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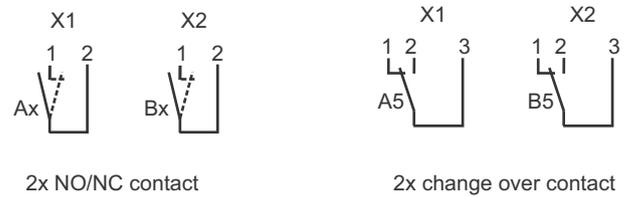|	
Connection:	plug-type connector 2x M12x1, 4-pole, material TPU, on alu housing
Mounting:	round flange AD 74mm, material aluminium
Mounting position:	vertical ± 10°
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
Float:	ø17,8x32mm, material NBR, type S52
Reed contact:	max. 2x reed contacts, n.o. contact / n.c. Contact or 2x change over contact, function bistable
Switching voltage:	max. 24VDC
Switching current:	150mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.01.8
Mounting M20x1,5

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Terminal diagrams

X1 — Ax — 1 L 2
X2 — Bx — 1 L 2

2x NO/NC contact

X1 — A5 — 1 2 3
X2 — B5 — 1 2 3

2x change over contact

Diagram labels: X1, X2, WAF27, Seal, SPA >= 30, Switching point A, SPB, >= 30, L = SPB + 35 (50), 9**, Switching point B, Flaot, Float, 35 (*50), ø8, 46 ±2

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³
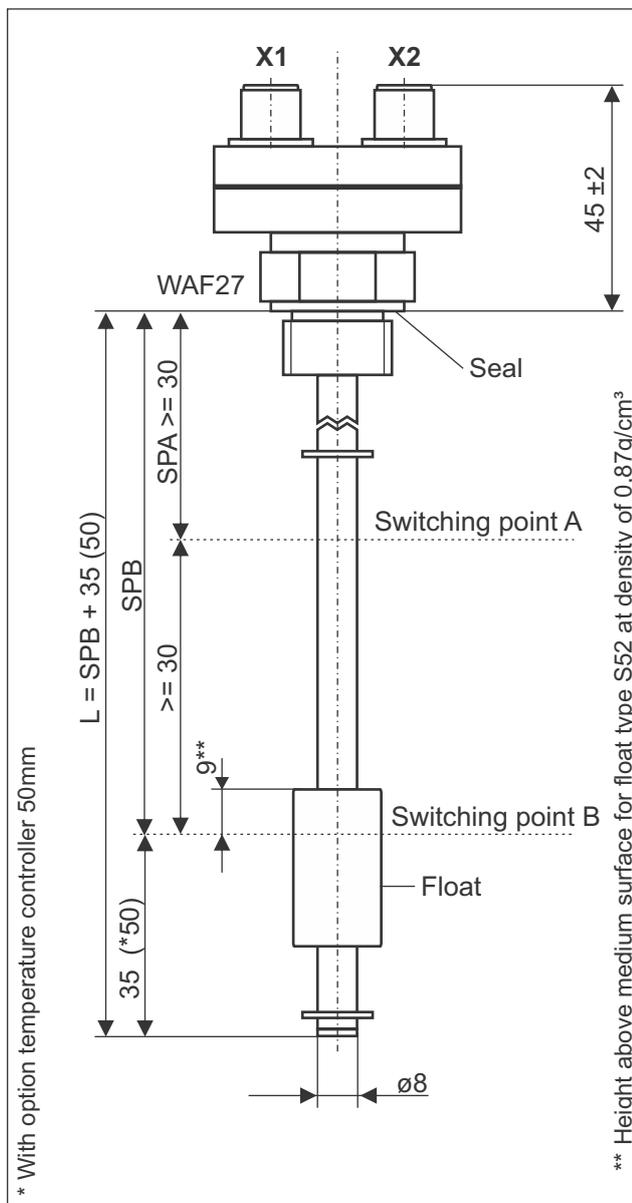

Technical data:

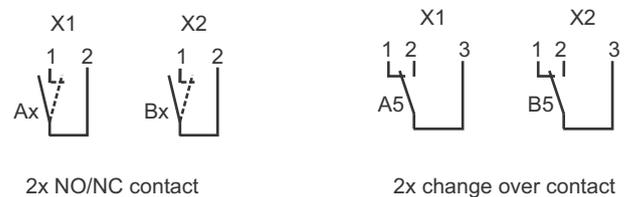|	
Connection:	connector 2x M12x1 4-pole, material TPU, on aluminium housing
Mounting:	thread M20x1,5, material aluminium
Mounting position:	vertical ± 10°
Seal:	profile seal, material NBR
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
Float:	ø17,8x32mm, material NBR, type S52
Reed contact:	max. 2x reed contacts, n.o. contact / n.c. Contact or 2x change over contact, function bistable
Switching voltage:	max. 24VDC
Switching current:	150mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.24.8
Mounting M22x1,5

Terminal diagrams

X1   X2

Ax   Bx

2x NO/NC contact

X1   X2

A5   B5

2x change over contact

X1   X2

45 ±2

WAF27

Seal

SPA >= 30

Switching point A

SPB

L = SPB + 35 (50)

>= 30

9**

Switching point B

Float

35 (*50)

ø8

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³
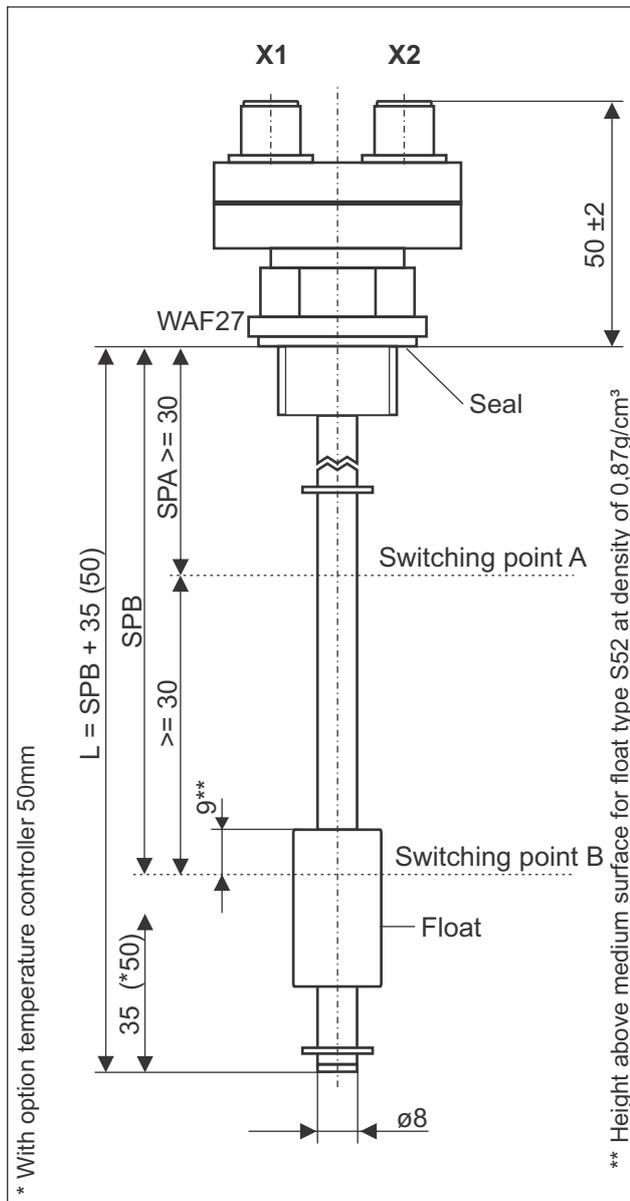
Technical data:

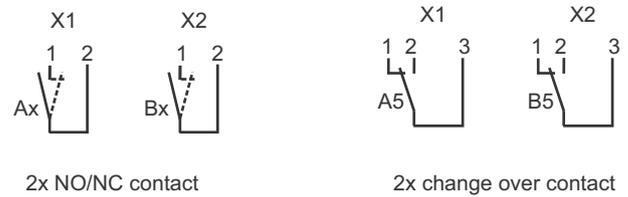|	
Connection:	plug-type connector 2x M12x1, 4-pole, material TPU, on aluminium housing
Mounting:	thread M22x1,5, material aluminium
Mounting position:	vertical ± 10°
Seal:	profile seal, material NBR
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
Float:	ø17,8x32mm, material NBR, type S52
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Switching voltage:	max. 24VDC
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Pressure:	max. 1 bar
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Protection rating:	IP 65

Data sheet
Mini float switch in stainless steel with plug connection 2xM12
Type: M60...09.33.8
Mounting M24x1,5

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X1   X2

50 ±2

WAF27

Seal

SPA >= 30

Switching point A

SPB

>= 30

L = SPB + 35 (50)

9**

Switching point B

Float

35 (*50)

ø8

* With option temperature controller 50mm

** Height above medium surface for float type S52 at density of 0,87g/cm³

Terminal diagrams

X1   X2
1 2   1 2
Ax   Bx

2x NO/NC contact

X1   X2
1 2   3   1 2   3
A5   B5

2x change over contact

Technical data:

Connection:	plug-type connector 2x M12x1, 4-pole, material TPU, on alu housing
Mounting:	thread M24x1,5, material aluminium
Mounting position:	vertical ± 10°
Seal:	profile seal, material NBR
Sliding tube:	ø8mm material stainless steel, length and material acc. to customer specification
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Switching voltage:	max. 24VDC
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