

Data sheet

Mini float switch in brass with plug connection M12

Order key

M60. 2 . A1 . B4 . 100 . 200 . 02 . 01 . 8

Type mini float switch M60

Material tube
brass 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 point 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

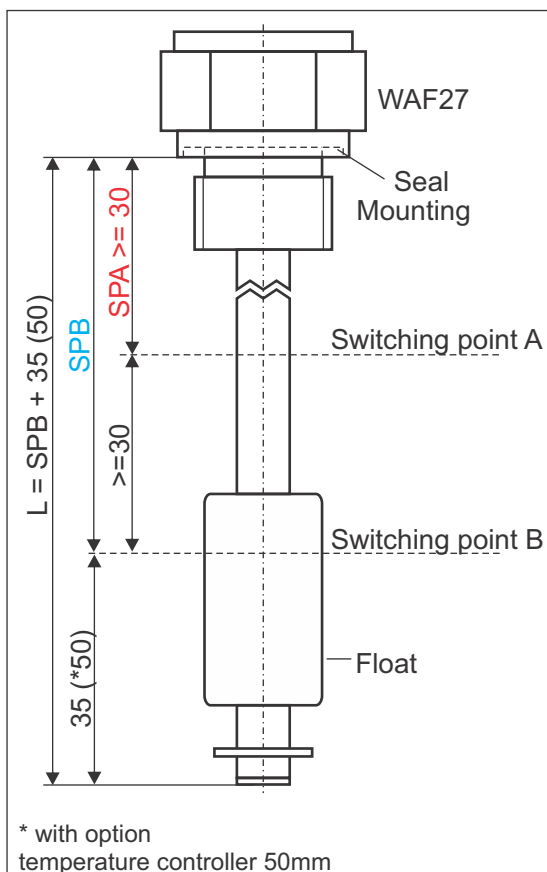
Switching point SPB
in mm according to customer's indication

Connection

M12 4 pol --- 02
M12 5 pol --- 08
M12 6 pol --- 17
M12 8 pol --- 12

Float
ø17,8x32mm material NBR --- 8

Mounting material alu / PA6
screw connection 1/2" ----- 27
oval flange Lk55 ----- 23
screw connection 3/4" ----- 13
round flange ø74 Lk60 ----- 46
screw connection M20x1,5 --- 01
screw connection 1" ----- 22
screw connection M24x1,5 --- 33
screw connection M22x1,5 --- 24

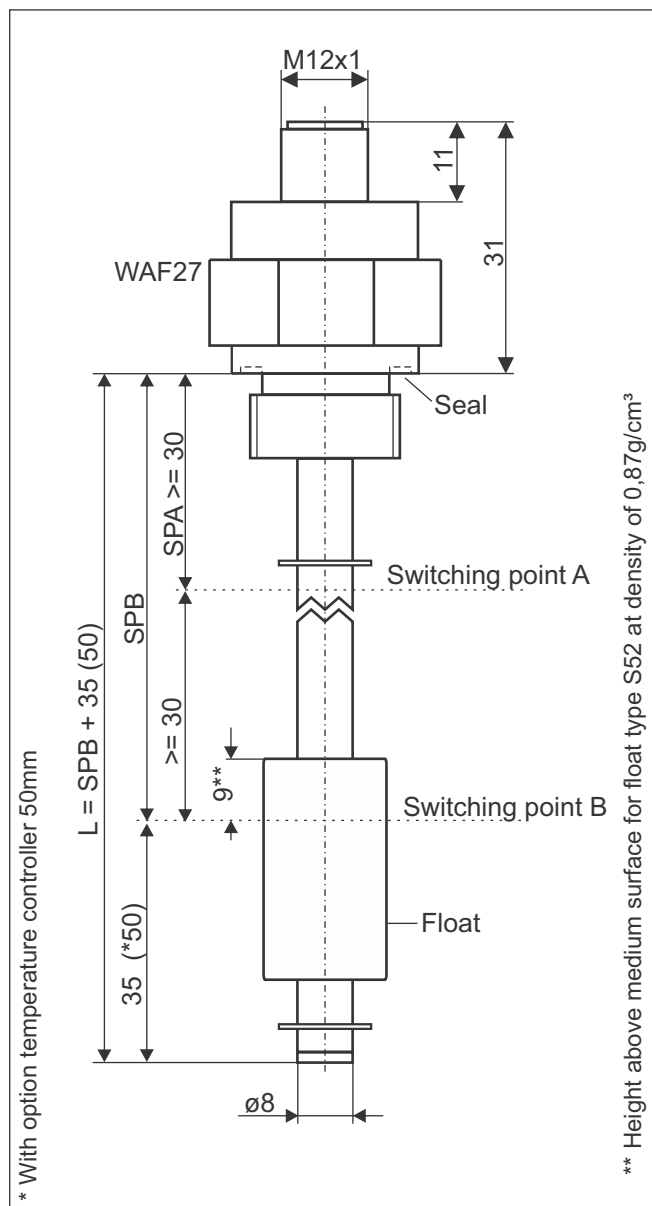


Data sheet

Mini float switch in brass with plug connection M12

Type: M60...02.27.8

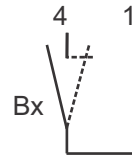
Mounting 1/2"



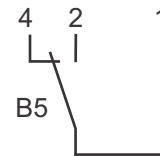
Terminal diagrams

M12 4Pol (02)

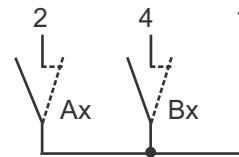
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

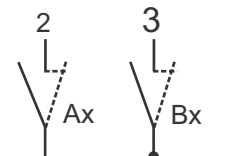


1x change over contact

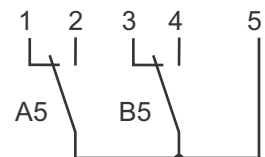


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

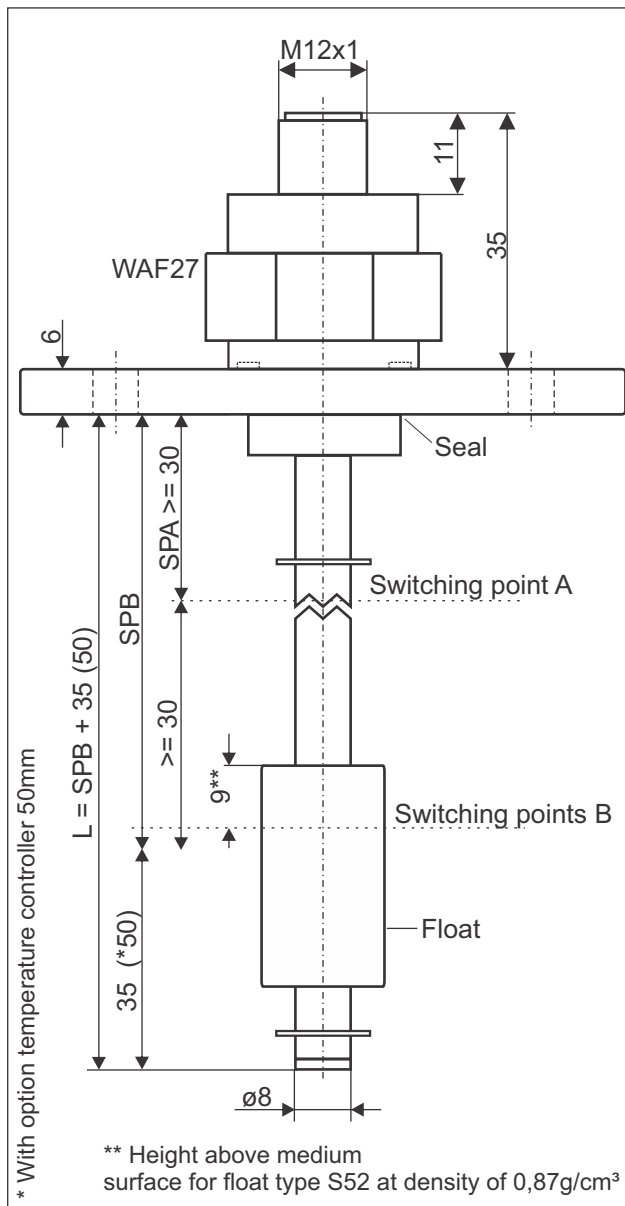
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	thread 1/2", material aluminium
Mounting position:	vertical $\pm 10^\circ$
Seal:	profile seal, material NBR
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52
Reed contact:	max. 2x reed contacts n.o. contacts / 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

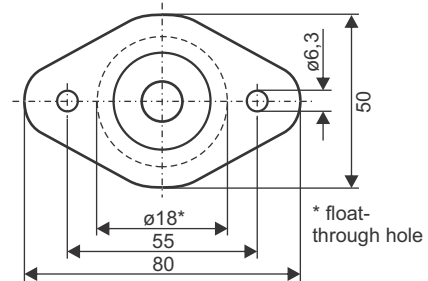
Mini float switch in brass with plug connection M12

Type: M60...02.23.8 / M60...08.23.8

Mounting oval flange



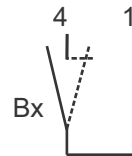
View A



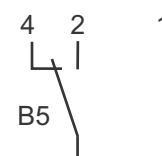
Terminal diagrams

M12 4Pol (02)

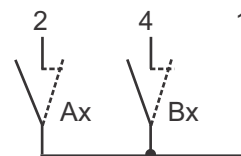
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

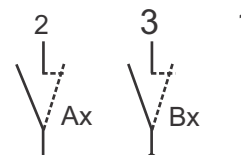


1x change over contact

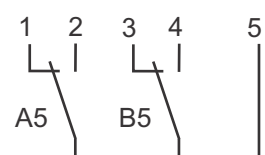


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

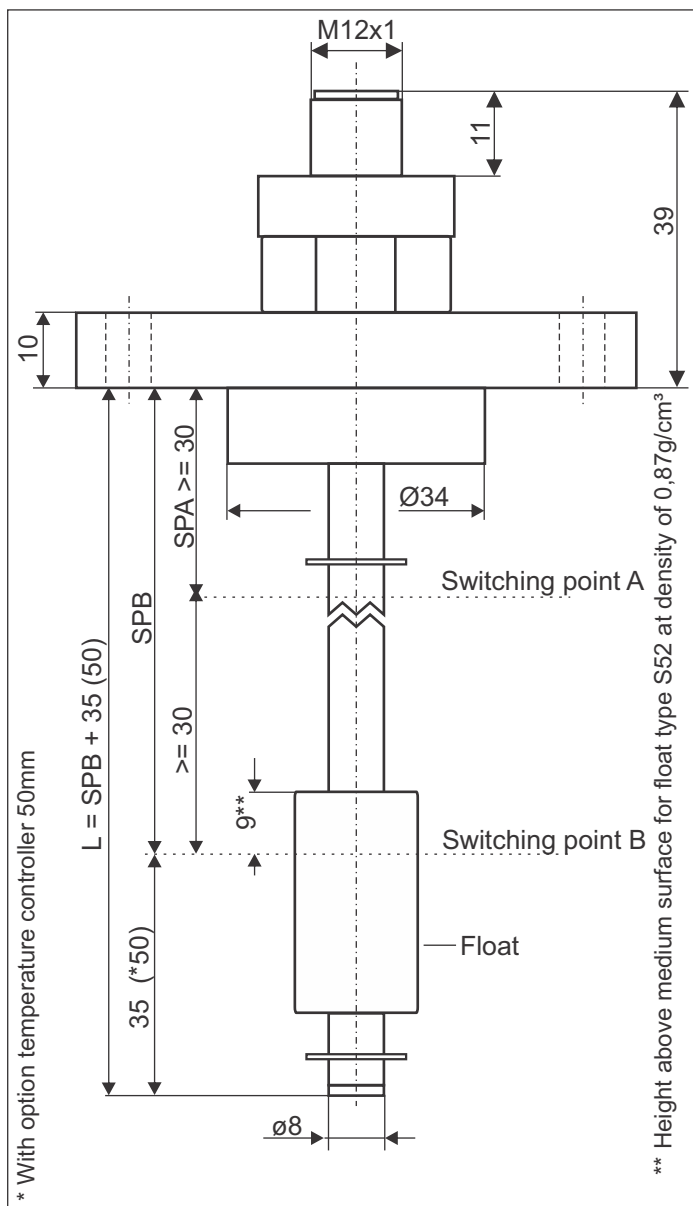
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	oval flange 80x50mm, material makrolon
Mounting position:	vertical $\pm 10^\circ$
Seal:	material NBR
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52
Reed contact:	max. 2x reed contacts n.o. contacts / 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

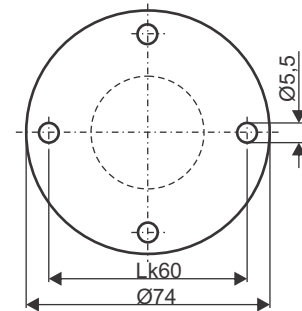
Mini float switch in brass with plug connection M12

Type: M60...02.46.8 / M60...08.46.8

Mounting round flange

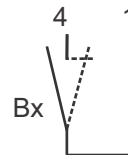


View A

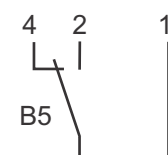


Terminal diagrams M12 4Pol (02)

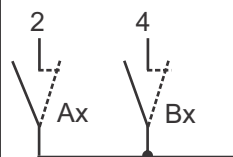
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

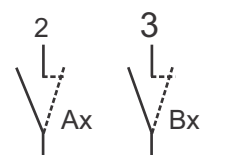


1x change over contact

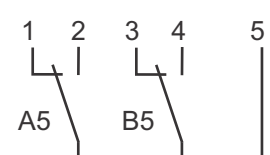


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

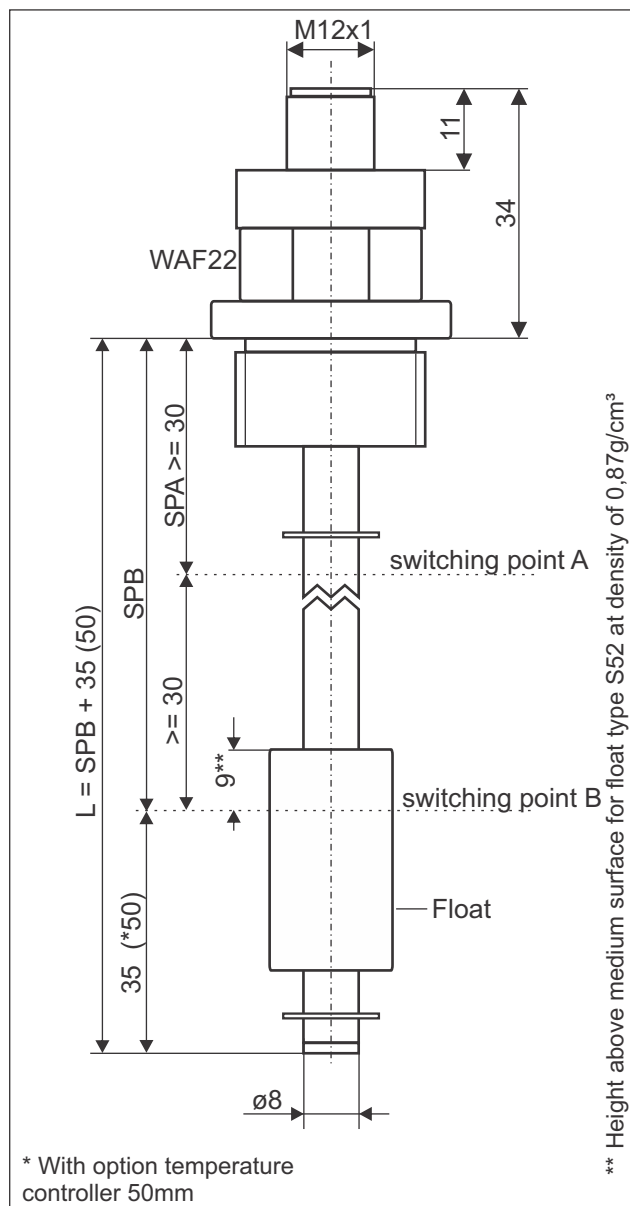
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	round flange AD 74mm, LK 60mm, material aluminium
Mounting position:	vertical $\pm 10^\circ$
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52
Reed contact:	max. 2x reed contacts n.o. contacts / 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

Mini float switch in brass with plug connection M12

Type: M60...02.13.8 / M60...08.13.8

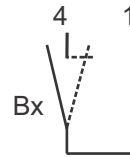
Mounting 3/4"



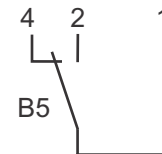
Terminal diagram

M12 4Pol (02)

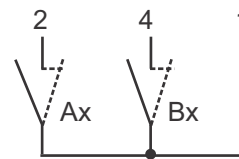
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

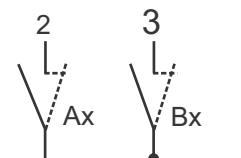


1x change over contact

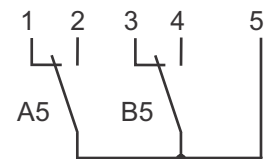


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

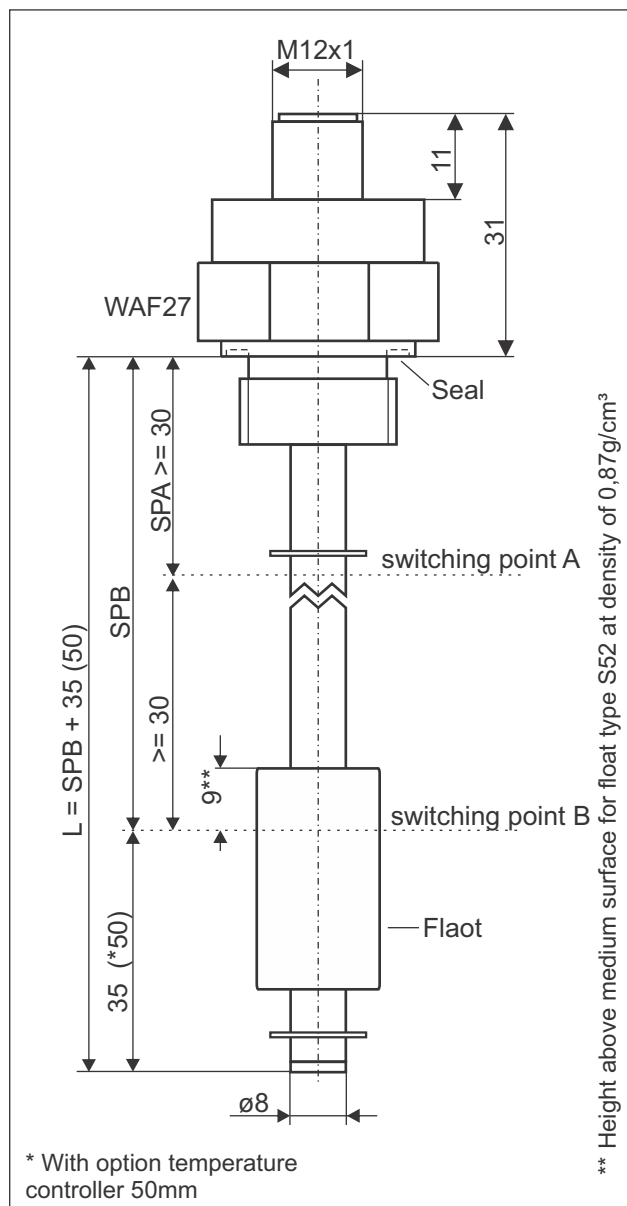
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	thread 3/4", material aluminium
Mounting position:	vertical $\pm 10^\circ$
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52
Reed contact:	max. 2x reed contacts n.o. contacts / 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

Mini float switch in brass with plug connection M12

Typ: M60...02.01.8 / M60...08.01.8

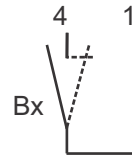
Mounting M20x1,5



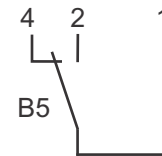
Terminal diagrams

M12 4Pol (02)

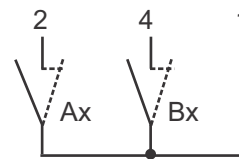
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

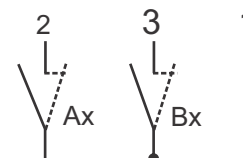


1x change over contact

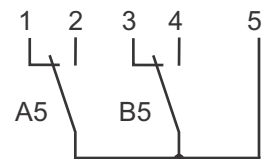


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

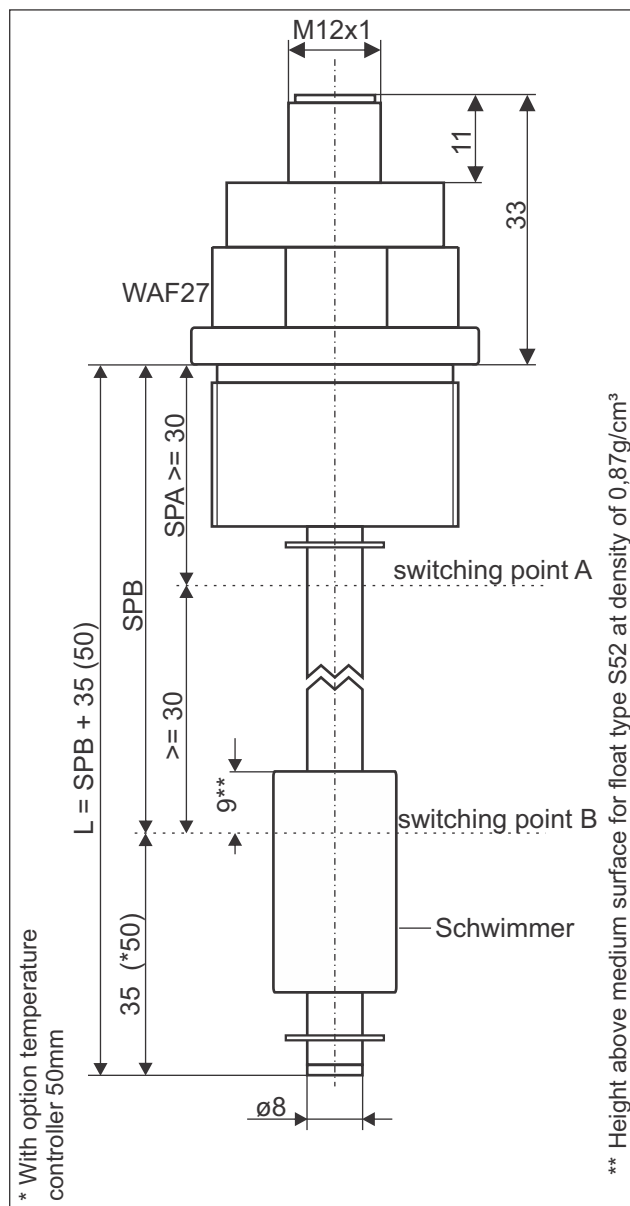
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	thread M20x1,5mm, material aluminium
Mounting position:	vertical $\pm 10^\circ$
Seal:	profile seal, material NBR
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

Mini float switch in brass with plug connection M12

Typ: M60...02.22.8 / M60...08.22.8

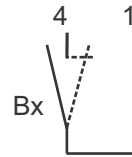
Mounting 1"



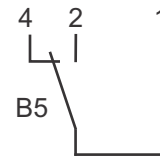
Terminal diagram

M12 4Pol (02)

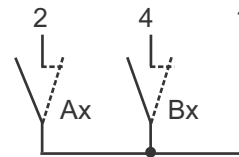
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

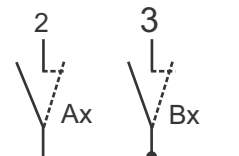


1x change over contact

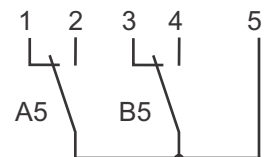


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

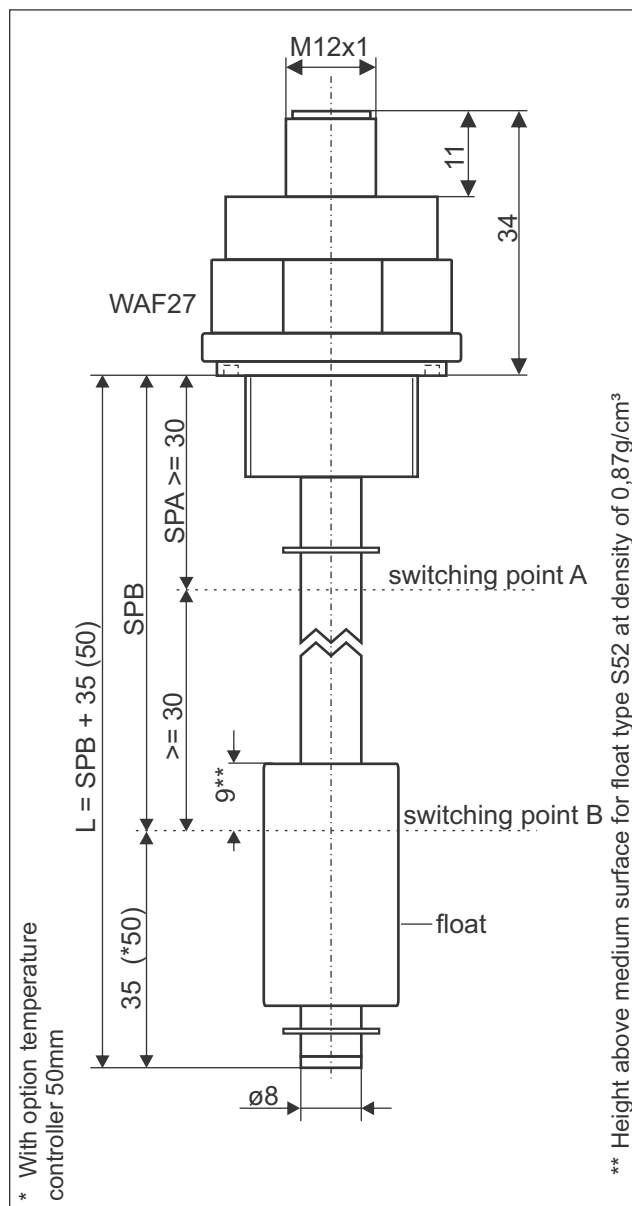
Connection:	plug-type connector M12x1 4-pole and 5-pole, material TPU
Mounting:	thread 1", material aluminium
Mounting position:	vertical $\pm 10^\circ$
Sliding tube:	$\varnothing 8$ mm material brass, length and material acct. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

Mini float switch in brass with plug connection M12

Typ: M60...02.33.8 / M60...08.33.8

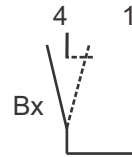
Mounting M24x1,5



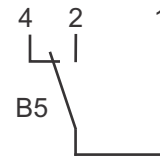
Terminal diagrams

M12 4Pol (02)

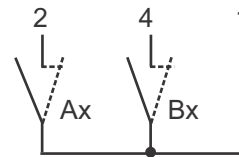
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1x NO/NC contact

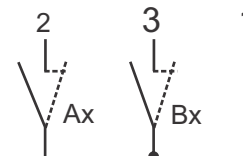


1x change over contact

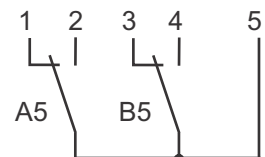


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over contacts

Technical data:

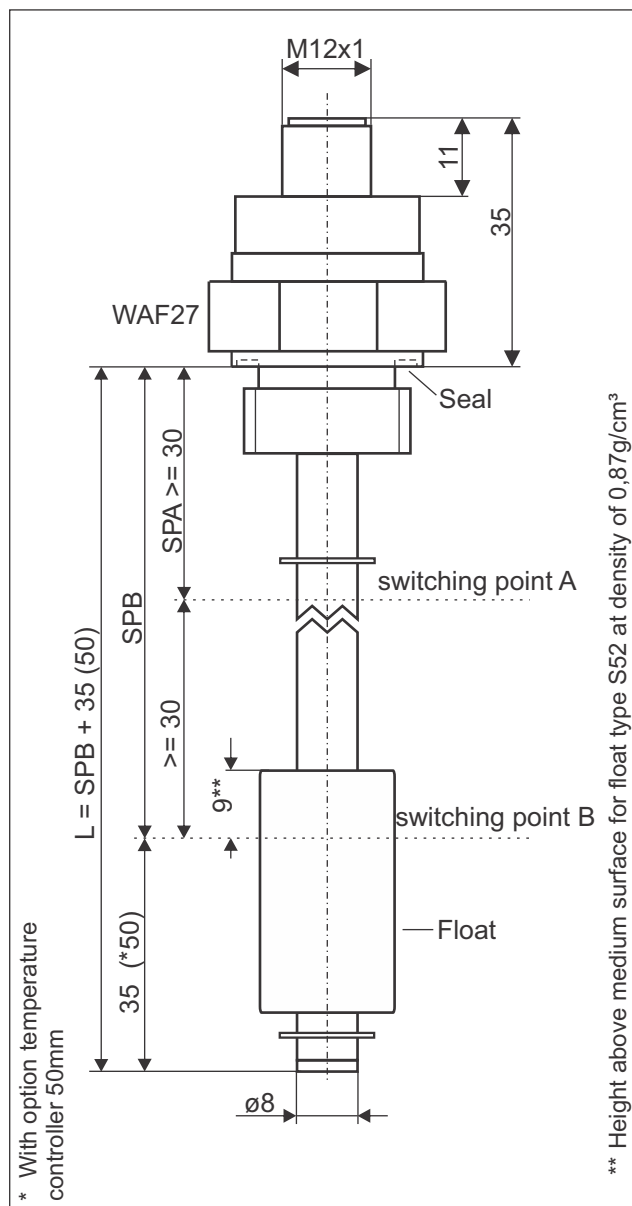
Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	thread M24x1,5mm, material aluminium
Mounting position:	vertical $\pm 10^\circ$
Seal:	profile seal, material NBR
Sliding tube:	$\varnothing 8$ mm material brass, length and material acc. to customer specification
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52
Reed contact:	max. 2x reed contact n.o., contacts/ 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65

Data sheet

Mini float switch in brass with plug connection M12

Type: M60...02.24.8 / M60...08.24.8

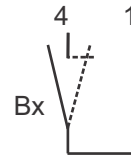
Mounting M22x1,5



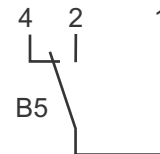
Terminal diagrams

M12 4Pol (02)

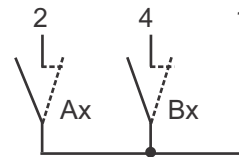
Comment: Contacts possible either as n.o. contact or n.c. contact



1x NO/NC contact

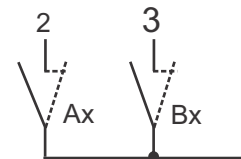


1x change over contact

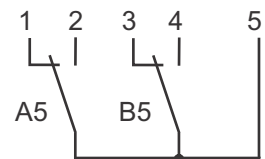


2x NO/NC contacts

M12 5Pol (08)



2x NO/NC contacts



2x change over
contacts

Technical data:

Connection:	plug-type connector M12x1, 4-pole and 5-pole, material TPU
Mounting:	thread M22x1,5mm, material aluminium
Mounting position:	vertical $\pm 10^\circ$
Seal:	profile seal, material NBR
Sliding tube:	ø8mm material brass, 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 to 100°C in medium, -15°C to 70°C above mounting
Protection rating:	IP 65