

Level switches

Series VKS / VK6

Type VKS00



Type VK604



Technical data

Switching function	Contact → opens with falling level → closes with rising level reversing possible
Activation point, related to middle axis (water, 20 °C)	-4...0 mm
Hysteresis	Approx. 1...4 mm
Pressure rating	PN 10
Minimum medium density	0.78 kg / dm ³
Temperature ranges	
Medium	-10...100 °C
Ambient	
→ VKS	-25...80 °C
→ VK6	-25...70 °C

Approvals



Advantages

- Level switches made of glass fibre reinforced plastic
- Stainless steel male threaded adapters
- Easy alignment due to union nut

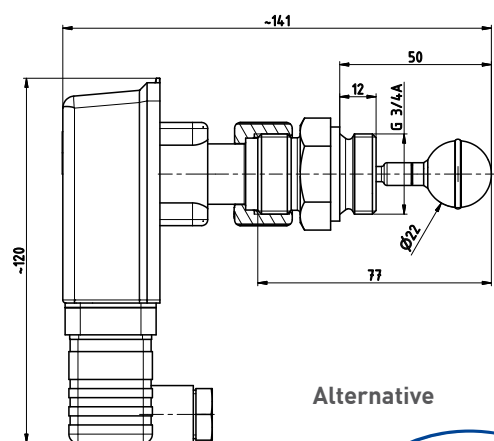
Electrical data

Electrical connection → VKS	Plug connector DIN EN 175301-803-A incl. cable socket
→ VK6	1.5 m PVC jacket cable
Max. switching current	1 A
Max. switching voltage	230 VAC, 48 VDC
Max. rating	26 VA, 20 W
Degree of protection EN 60529	IP65
Protection class EN 60730-1	Class II

Options

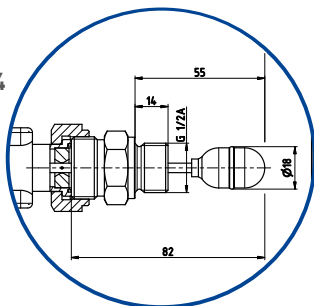
For type	See order code
VKS	→ Plug connector DIN EN 175301-803-A incl. cable socket with 2 LEDs for switching voltages 24 V...230 V AC / DC ± 20 %, ambient temperature -20...70 °C → or 4-pin sensor plug M12 x 1

VKS00

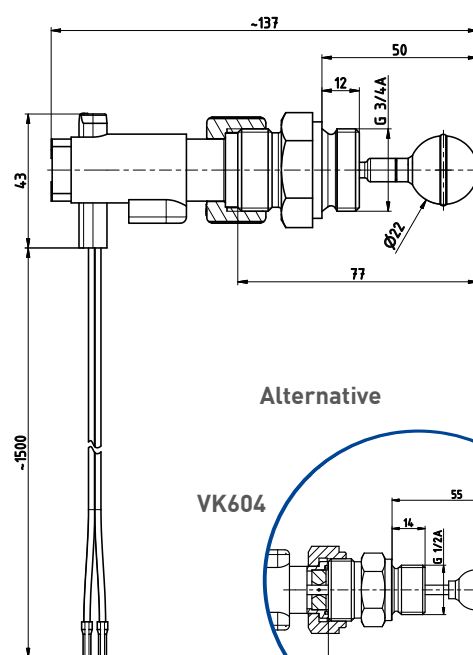


Alternative

VKS04

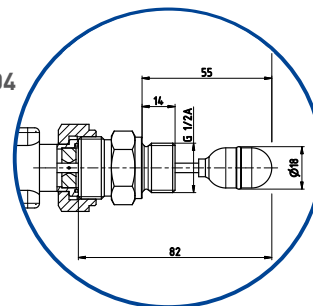


VK600



Alternative

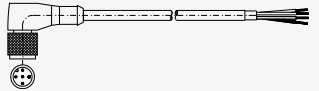
VK604



Materials in contact with fluid

Body, Paddle	PPE+PS Noryl™ 30 % glass fibre reinforced / EPDM
Process connection	Stainless steel 1.4571
Bushings	PPE+PS Noryl™ 30 % glass fibre reinforced
Axis	Stainless steel 1.4571
Magnet	Hard ferrite
Float	PVDF, Stainless steel A4
Sealing	NBR

Order code	Example → VK60	0M0P1	1	PR33
Level switches				
VKS				
Plug connector incl. cable socket (standard)	VKS0		7	
Plug connector incl. cable socket with LED (option)	VKS0		9	
4-pin plug connector M12 x 1 (option)	VKS0		8	
VK6				
Connection cable (standard)	VK60		1	
Float, process connection				
Ball float PVDF, G $\frac{3}{4}$		0M0P1		PR33
Cylinder float PVDF, G $\frac{1}{2}$		4M0P1		PR23

Accessories	Länge	Bestellcode	
Connection cable with 4-pin cable socket M12 x 1, angle type moulded lead, sheathing material PUR, shielded, ($T_{\max} = 80\text{ °C}$) - UL-approval	3 m 5 m 10 m	XVT2053 XVT2009 XVT2070	
4-pin cable socket M12 x 1 angle type, unassembled		VT1331	
Cable socket with two LEDs Switching voltage 24...230 V AC/DC $\pm 20\%$ Ambient temperature -20...70 °C for retrofit / replacement of cable socket without LED		XVH958	

