Radar, capacitive and float level

Cable Float Level Switch for Pump Control, IP68

Model DW-FLS

Cable-suspended float switch with a micro switch (NO/NC) that starts and stops pumps as a tank fills or drains, with 250 V AC contacts rated up to 12 A, 2 to 10 m of 0.5 to 1 mm² cable, a sealed polypropylene float and IP68.



Rated current
4 / 8 / 12 A at 250 V AC

Cable length
2–10 m

Protection
IP68

Features

- Micro switch with NO/NC contacts for filling or draining
- Switches pumps of up to 1.5 kW directly (1 mm² cable)
- Silver contacts with low contact resistance
- Injection-moulded, sealed polypropylene float, IP68
- For water, wastewater and mildly acidic or alkaline liquids
- Optional SUS304 or SUS316 stainless steel counterweight

Applications

Water supply systems, Tanks, water towers and reservoirs, Industrial pump control, Irrigation systems, Sewage and drainage systems

Specifications

Performance	
Type	Cable float switch with 3-wire micro switch (NO/NC)
Switching angle	Drainage: 40°; filling: −55° (±5°)
Minimum control range	≥0.3 m
Float density	0.69 g/cm³ (without cable)

Electrical	
Rated voltage	250 V AC / 400 V AC
Rated current	4 A / 8 A / 12 A

Maximum pump power	750 W (0.5 mm^2), 1000 W (0.75 mm^2), 1500 W (1 mm^2)
Full-load power	880 W (0.5 mm^2), 1320 W (0.75 mm^2), 1760 W (1 mm^2)
Thermal current	10 A / 16 A (250 V)
Electrical life	≥110,000 operations
Insulation resistance	≥100 MΩ
Dielectric strength	1500 V, 1 min
Wiring	Black or yellow-green: common; brown: drainage; blue: filling

Mechanical

Housing material	Polypropylene (PP), injection-moulded seal
Cable specification	3 × 0.5 / 0.75 / 1.0 mm^2 oxygen-free copper; PVC, rubber or silicone sheath
Cable length	2 / 3 / 4 / 5 / 10 m (others to order)
Dimensions	161 × 80 × 43 mm (float with cable gland)

Environmental

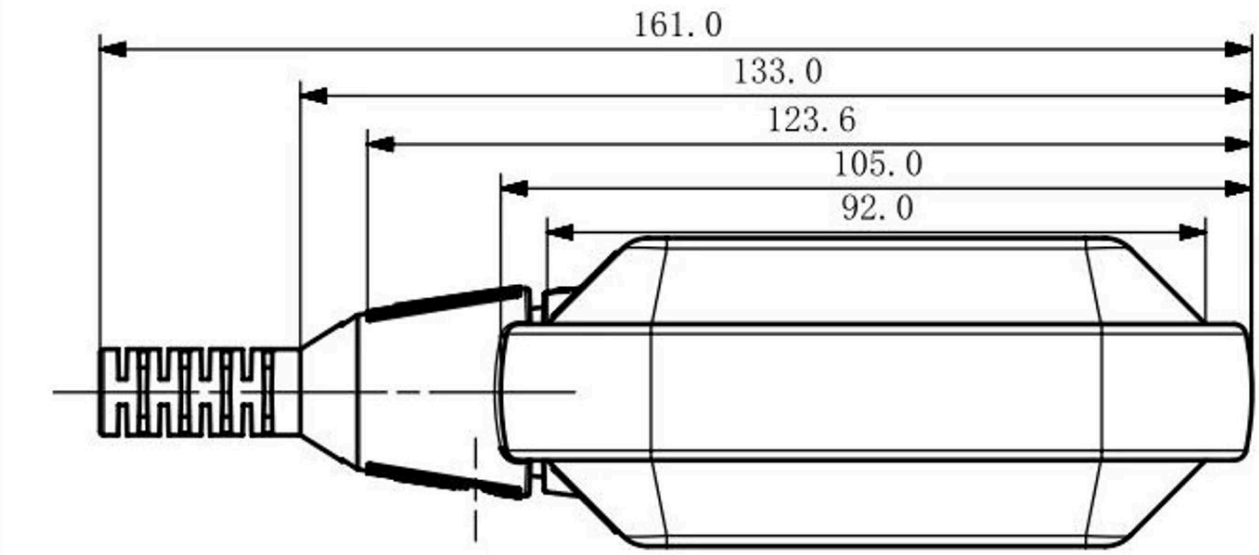
Ingress protection	IP68
Operating temperature	0 to +70 °C
Maximum operating pressure	≤0.3 MPa

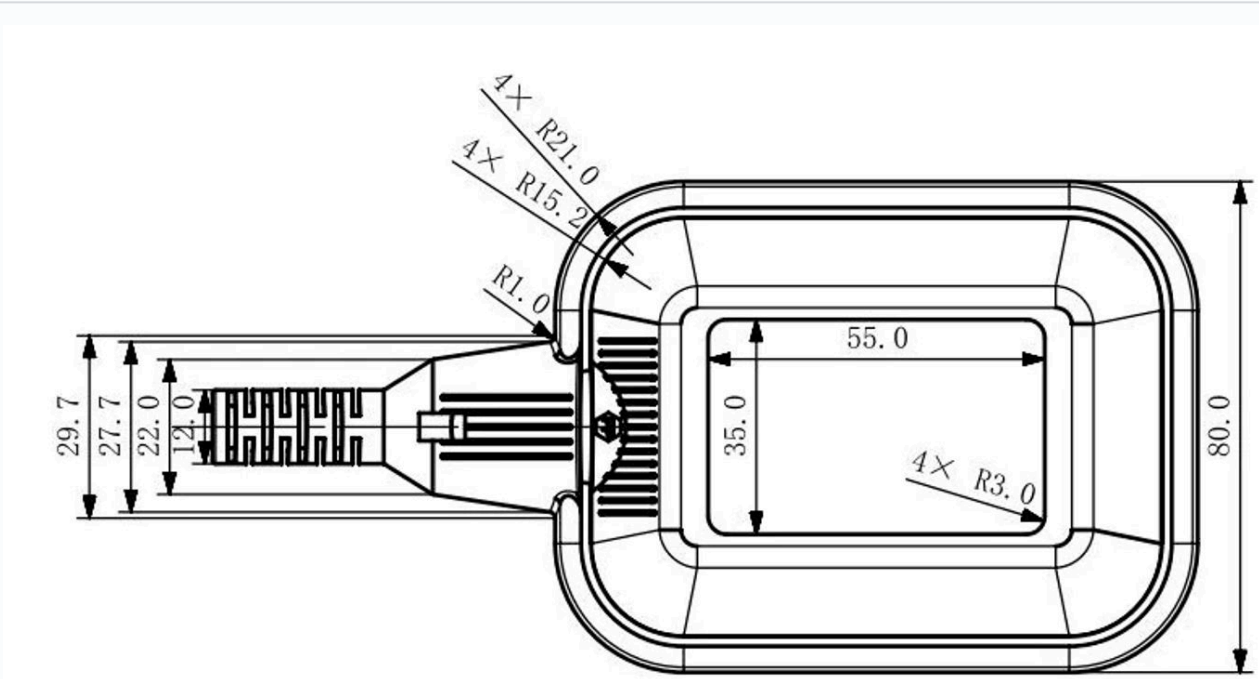
Ordering and support

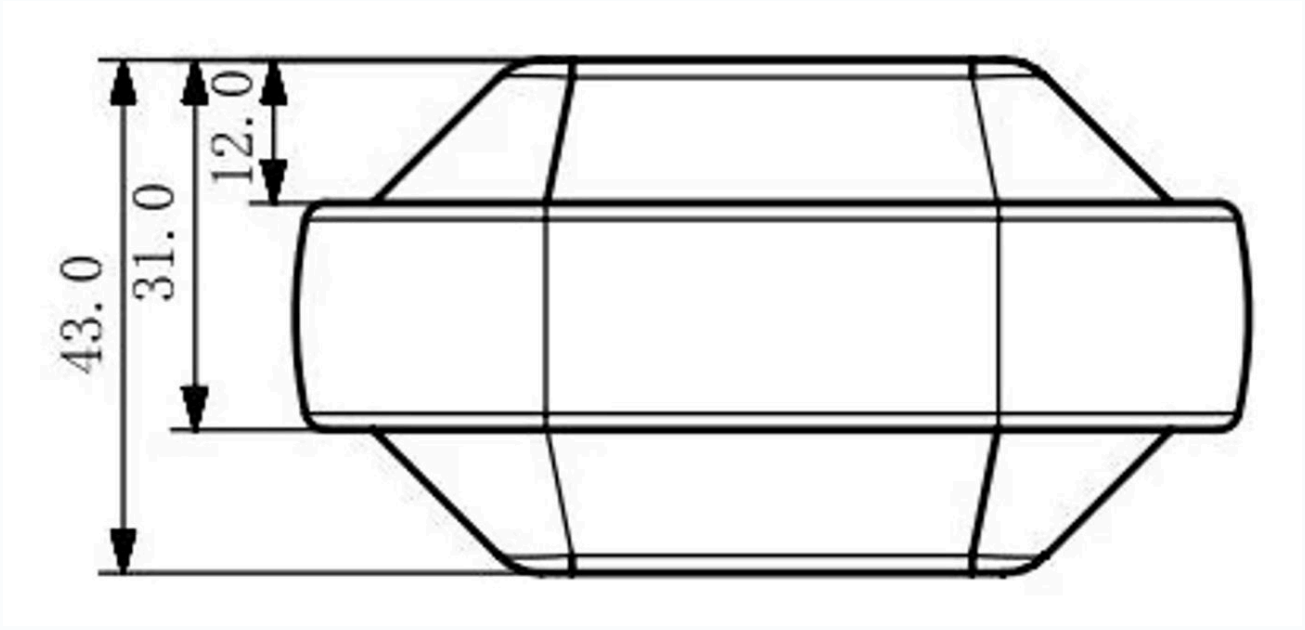
Pricing, samples, lead time and custom versions: xyx@gzdwin.com, +86 181 0280 8901.

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Dimensions and wiring







Drawings are for reference. Dimensions in millimetres unless stated.