

CAW45-220WF-1

Rev. 0-2026
RoHS3 & REACH
Switch Assembly



Operating Characteristics

ELECTRICAL

Switch Type	Float
Contact Type	A
Switch Circuit Type	SPST
Max Contact Rating	50 W
Max Switching Voltage	220 VAC
Min Breakdown Voltage	600 VDC
Max Switching Current	1 A
Max Contact Resistance	0.5 Ω
Min Insulation Resistance	10 ¹⁰ Ω

OPERATIONAL

Float Density	<0.75 g/cm ³
Recommended Minimum Gravity of Medium	0.8 g/cm ³

Physical Characteristics

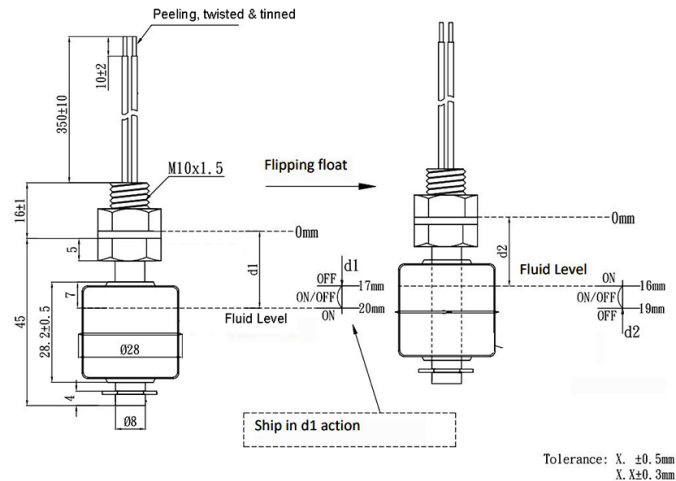
MATERIALS

Housing	Stainless Steel 304
Ball	Stainless Steel 304
E-Ring	Stainless Steel 304
O-Ring	Silicon
Screw Nut	Stainless Steel 304
Wire	UL1332, 22AWG

TEMPERATURE RANGES

Operating	-10 to +120 °C
Storage	-10 to +120 °C

Weight 47.4 g



All measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2026	Original Specification	KG	2026-03-13

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.