

S P E C I F I C A T I O N S

1. NAME : MAGNETIC FLOAT SENSOR
2. MODEL : FR 5 1 2 HV (Type designation : FR 5 1 2)
3. MEASURING OBJECT : Clean Liquid
4. OPERATION CHARACTERISTICS
 - 4.1 Relation between Float and Liquid Surface : Float length is 80mm.
31mm upper on and 49mm is under the level.
(1.0 specific gravity of the liquid)
 - 4.2 Specific Gravity : Min. 0.7
 - 4.3 Hysteresis of Switch : 3±2 mm
 - 4.4 Clearance between Float and stem : 3 mm
 - 4.5 Life Expectancy : Min. 1×10⁶
5. ELECTRICAL CHARACTERISTICS
 - 5.1 Contact Rating (With Resistive Load)
 - 5.1.1 Max. Contact Capacity : 110 VA 33 W
 - 5.1.2 Max. Working Current : 0.5 A AC 0.3 A DC
 - 5.1.3 Max. Working Voltage : 220 V AC 110 V DC
6. MECHANICAL CHARACTERISTICS
 - 6.1 Withstand Pressure : 200 kPa Max.
 - 6.2 Allowable Impact : 100 m/s²
7. ENVIRONMENT
 - 7.1 Ambient Temperature : 60 °C
 - 7.2 Liquid Temperature : -10 to 80 °C
8. CONSTRUCTION : IP65
9. EXPLOSION-PROOF : d2G4
10. PHYSICAL
 - 10.1 Material
 - 10.1.1 Terminal Box : Aluminium diecasting (ADC12)
 - 10.1.2 Wetted Part : Chlorinated polyvinylchloride
 - 10.2 Dimension
 - 10.2.1 Flange : Equivalent JIS 5K 80A
 - 10.2.2 Float : φ74 × H80
 - 10.3 Cable Inlet : G 1/2 Flameproof threaded-joint metal conduit type

W A R R A N T Y

NOHKEN INC. products are warranted for a period of one (1) year from date of original factory shipment, provided that handling, operation and maintenance of products shall be subjected to "NOHKEN INSTRUCTION MANUAL".