

1. NAME OF COMPONENT – Pressure Relief Valve
2. DRAWING NO. - 5670674 (As per SG 12035)
3. Requirement – Shall be operated at 20 psi +/- 2 psi
4. Technical details and Size

SI	PRD-20	Materials
1.	Flange	Seawater resistant pressure die cast aluminum
2.	Standard cover.	Seawater resistant aluminum, with acrylic coating in Epoxy 631, 632 and PU 697 of IS-5 as mentioned in Purchase Order
3.	Valve head	Stainless steel
4.	Sealing	Viton Rubber
5.	Lip sealing	Viton Rubber
6.	Springs	Spring steel acc. EN 10270-1-SH, synthetic coated (cathodic corrosion protection)
7.	Indicator pin	Seawater resistant aluminum, red or blue or yellow anodized
8.	Semaphore	Stainless steel with acrylic coating in RAL 1026, Lime-yellow
9.	Bleed screw	Stainless steel for oil bleeding
10.	Mounting Dimensions	Ø 235 mm hole circle for 6 fixing holes Ø 15.5 mm
11.	Cover dia	Ø 291 mm
12.	Overall Height	Position "ALARM": 234.5 mm
13.	Mounting gasket	Ø 200 x Ø 178.5 x 4.25 high nitrile or viton rubber
14.	Ambient temperature	- 40 °C to +80 °C (mechanical); -30 °C to +80 °C (micro-switches)
15.	Oil temperature	- 30 °C to +120 °C
16.	Micro-switches	Siemens or honeywell make 2NO + 2 NC
17.	Housing material	Seawater resistant pressure die cast aluminum
18.	Contacts	2NO + 2 NC; galvanically isolated
19.	Cable gland	2 x M25x1.5, IP 65 as per IEC 60 529 (cover mounted)
20.	Utilization category	IEC 60947-5-1: AC-15/DC-13
21.	Contact load	As per IEC 60947-5-1: AC: 240 V/3 A; 120 V/6 A DC: 250 V/1.1 A; 125 V/2.2 A
22.	Max. continuous current	10 A
23.	Rated insulation voltage	AC: 2.5 kV/1 min.
24.	Rating Plate	The rating plate shall be riveting having Manufacturer serial no, Month & year of manufacturing, PRD type : PRD-20,



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