



EUROSWITCH

EUROSWITCH Srl Sale Marasino ITALY

TEST REPORT

N°

01/2012

Date

25.01.12

MD-11-001

Rev.0

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APPLICANT

CUSTOMER

REASONS

BEHAVIOUR OF MODEL 41 PRESSURE SWITCHES WITH SPECIAL NEW LOW-TEMPERATURE MEMBRANES

TEST SPECIMENS

PRESSURE SWITCHES MODEL 41B/41C WITH SPECIAL MEMBRANES

TEST PLAN

The test is divided into two parts, the first to determine mechanical life, the second to check operation

MECHANICAL LIFE TEST

Settings: 1 bar, 20 bar and 90 bar

Pressure cycle: 0-200 bar 1,000,000 cycles

Frequency: 0.883 Hz

Fluid: water

Function test during and at the end of the cycles

THERMAL DRIFT TEST

Setting

Function test and temperature setting at -10°C, -20°C, -30°C and -38°C

Function test at ambient temperature

TEST RESULTS

MECHANICAL LIFE TEST

The pressure switches functioned after 1,000,000 cycles

THERMAL DRIFT TEST

The pressure switches set at 1 bar were in tolerance at -38°C; for the other settings they were in tolerance up to -30°C; small thermal drift at -38°C

The customer has approved the pressure switches for use anyway

TEST CLOSURE

Result **POSITIVE**

Date

07/03/2012

Supervisor

G.TABONI

Approved by

R.TABONI