



**COMPONENT-MATERIAL  
ENGINEERING SPECIFICATION**

|            |             |     |    |
|------------|-------------|-----|----|
| Part No.   | 800- 557-53 | REV | 01 |
| Ref. Code  | 407         |     |    |
| U.O.M.     | EA          |     |    |
| Engg. Ref. | AP/AC/CH    |     |    |

**Part Description : OIL PRESSURE SWITCH (MP 54) KIT**

Q1-1

**VENDOR : DANFOSS**  
**VENDOR # (OPS KIT#) : 060B016866**

**WHERE USE : M/S COPELAND (ALL SEMI HERMETIC COMPRESSOR MODELS)  
M/S BITZER (ALL SEMI HERMETIC COMPRESSOR MODELS)**

**TECHNIAL DATA:-**

**OIL PRESSURE SWITCH MODEL : MP 54 (MAKE DANFOSS)**  
**SUPPLY VOLTAGE : 230/ 115 VAC +10/-15%**  
**SUPPLY FREQUENCY : 50/ 60 Hz.**  
**DUTY CYCLE : 100%**  
**DELAY PERIOD : 90 S ( WITH INSUFFICIENT OIL PRESSURE)**  
**RELAY OUTPUT-SWITCH VOLTAGE : 250V MAX.**  
**SWITCH CURRENT 2 A MAX.**  
**REFRIGERANTS : R 22**  
**PROTECTION CLASS : IP 20**  
**CUT-OUT DIFFERENTIAL PRESSURE : 0.65 BAR**  
**CUT-IN DIFFERENTIAL PRESSURE : 0.2 BAR**  
**OPERATING TEMPERATURE : -40 ; +60°C**

|   |   |                 |                 |                     |                                    |                      |  |
|---|---|-----------------|-----------------|---------------------|------------------------------------|----------------------|--|
| <b>ALL DIMENSIONS ARE IN mm (BRACKET DIMENSIONS ARE IN INCHES)</b>      |   |                 |                 | <b>SHEET 1 of 1</b> |                                    | <b>SCALE : N.T.S</b> |  |
| <b>Tolerance: : Unless noted ( ± ) : fraction 1/32" ; Decimal 0.031</b> |   |                 |                 | <b>WRITER</b>       | <b>AL-ALL. HUSAIN</b>              |                      |  |
|   |   |                 |                 | <b>INITIATOR</b>    | <b>ASIF PASHA</b>                  |                      |  |
|   |   |                 |                 | <b>ENG. CHECK</b>   | <b>M.KHAWALDEH</b>                 |                      |  |
|   |   |                 |                 | <b>VERIFIED</b>     | <b>Moh'd Al Sayyed</b>             |                      |  |
|   |   |                 |                 | <b>APPROVED</b>     | <b>MATHEW</b>                      |                      |  |
| <b>01</b>   | <b>SPECS. UPDATED AS PER (DANFOSS) DATA</b> | <b>HUSAIN</b>   | <b>14-02-06</b> | <b>Issue Date</b>   | <b>15-10-2001</b>                  |                      |  |
| <b>REV</b>  | <b>Revision Details</b>                     | <b>Designer</b> | <b>Rev.Date</b> | <b>File Ref.</b>    | <b>Ziicnas\Eng-Specs\800\55753</b> |                      |  |