



NOTES:

- RATING:**
6KW ON 690V, 3PH, 50/60HZ. (4 WIRE STAR)
- MATERIAL:**
CARTRIDGE TYPE ELEMENTS: 6 x 12MM REMOVABLE 304 STAINLESS STEEL
CARTRIDGE ELEMENT SHEATH: 16MM PLAIN SURFACE 316L STAINLESS STEEL
THERMOSTAT POCKET(S): 316L STAINLESS STEEL
TERMINAL BOX: MILD STEEL FP4 TERMINAL BOX IP66 RATED
PROCESS FIXING: 3" NB 150LB ANSI RF BLIND 316L STAINLESS STEEL FLANGE
- FINISH:**
TERMINAL BOX LID: POWDERCOATED RAL 2010 (ORANGE).
TERMINAL BOX BODY: POWDERCOATED RAL 9007 (GREY)
FLANGE - STAINLESS NATURAL
REMAINDER NATURAL
- MAX WORKING PRESSURE 16 BARg**
- INSPECTION AND TESTING:**
HYDRO TEST TO W/09/110
TEST METHOD 1. TO 24 BARg FOR 15 MINUTES
TEST METHOD 2.
REFER TO LATEST REVISION OF CERTIFICATE LCIE 01 ATEX 6056 X
ELECTRICAL TEST TO W/09/114.
100% VISUAL AND DIMENSIONAL CHECK
- CABLE ENTRIES:**
1x M25 x1.5p (POWER), 1x M20 x1.5p (CONTROL).
CABLE ENTRIES FITTED WITH TEMPORARY PLUGS
ANY UNUSED ENTRIES MUST BE FITTED WITH SUITABLE CERTIFIED BLANKING PLUGS AT ALL TIMES.
UNDER NO CIRCUMSTANCES ARE ANY ENTRIES TO BE LEFT OPEN DUE TO THE NATURE OF THE SCREW THREADS ON THE TERMINAL BOX, THE CABLE ENTRIES MAY NOT BE IN THE POSITION SHOWN ON THE DRAWING.
- CONTROLS:**
S1: 1 X AUTO RESET CONTROL THERMOSTAT RANGE +7/+100°C SET AT +20°C (5-7°C HYSTERESIS)
S2: 1 X MANUAL RESET OVER-TEMPERATURE LIMIT THERMOSTAT SET AT +80°C
S3: 1 X MANUAL RESET BOX CUT OUT SET AT +80°C (LOCATED WITHIN THE TERMINAL BOX TO PREVENT OVERHEATING)
- HEATER CERTIFICATION:**
ATEX/IECEX CERTIFIED Ex II 2 G D Ex d IIC T4 Gb Ex tb IIIC T135°C Db
CERTIFICATE No. LCIE 01 ATEX 6056 X, IECEX LCI 06 0006 X
- OVERTEMPERATURE PROTECTION:**
EACH HEATER SHALL BE FITTED WITH 1 OFF (MINIMUM) SENSOR FOR THE HEATER MOUNTING FLANGE/PROCESS TEMPERATURE AND 1 OFF TERMINAL BOX CUT-OUT SENSOR.
THE SENSORS SHALL BE THERMOSTAT, THERMOCOUPLE OR RTD. THE SENSORS SHALL BE CONNECTED TO A SUITABLE TEMPERATURE CONTROL SYSTEM TO SHUT DOWN THE HEATER IN THE EVENT THE MAXIMUM TEMPERATURE IS EXCEEDED.
OVERTEMPERATURE SENSOR & CUT-OUT MUST BE MANUAL RESET EITHER BY:
a.) AUTO-RESET THERMOSTAT & AUTO RESET CUT-OUT BEING RESET AT CONTROL PANEL BY KEY SWITCH OR SPECIAL TOOL.
b.) SENSOR & CUT-OUT BEING MANUAL RESET UNITS, ie MANUAL RESET INSIDE TERMINAL BOX.
- AMBIENT TEMPERATURE:** -60°C ≤ T_{amb} ≤ +60°C
- WATTS DENSITY:** 1.1 W/cm²
- APPROX. WEIGHT:** 23 KG
- TAG INFORMATION (WHERE APPLICABLE):**
REFER TO RELEVANT ITEM ON SALES ORDER

**FOR WIRING
INFORMATION
SEE: 014507.02.03**

VARIABLE DETAILS

LENGTH 'A'	1900mm	SIZE 'D'	Ø72mm
LENGTH 'B'	235mm	LENGTH 'E'	N/A
LENGTH 'C'	50mm	LENGTH 'F'	N/A

CERTIFIED PRODUCT

NO MODIFICATIONS PERMITTED WITHOUT THE APPROVAL OF THE QA MANAGER.

DOES THIS CHANGE AFFECT ANY CERTIFICATION OR CERTIFICATE SCHEDULE DRAWING?

IF YES, RECORD THE DON No. IN THE COLUMN TO THE RIGHT.

DCN No	Y/N	REV	DATE	COMMENTS	DRWN	CHKD	APPR
		1	23.03.17	REVISED TO LATEST NOTES AND BORDER TEMPLATE - ENQ/17/030688N REV 3 (P)	TC		
		0	20.11.14	FIRST ISSUE	SH	IK	KP

3rd ANGLE PROJECTION

DO NOT SCALE

TOLERANCES UNLESS OTHERWISE STATED

0	± 1.5mm
0.0	± 0.5mm
0.00	± 0.25mm
0.000	± 0.1mm
ANGULAR ± 2°	

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

DO NOT SCALE!

IF IN DOUBT, ASK!

WHERE ELECTRONIC DOCUMENTS ARE SUPPLIED, THE END PRODUCT MUST CONFORM TO THE PAPER ORIGINAL.

FORMAT: AUTOCAD



TITLE FP4-CA6-6-75-FS3 GENERAL ARRANGEMENT DRAWING INDUSTRIAL PRODUCT	
EXHEAT DRAWING NUMBER	REV
014507.02.01	01