



OPERATION NOTES

1. IN RETRACTED POSITION:
 - i) PORT 'A' CAN NOT BE PRESSURISED FROM PORT 'B'.
 - ii) PORT 'A' VENTS THROUGH 4-OFF RADIAL HOLES.
2. IN ENGAGED POSITION:
 - i) BOLT LOCK AUTOMATICALLY OPERATES.
 - ii) PORT 'A' CAN BE PRESSURISED FROM PORT 'B'.
 - iii) INTERLOCK BOLT CANNOT BE RETRACTED WITH PORT PRESSURE ABOVE 1 P.S.I.
 - iv) RELEASE BUTTON MUST BE PRESSED TO RETRACT INTERLOCK BOLT.

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NOTES

1. PRESSURE RATINGS: MAXIMUM WORKING PRESSURE = 45 bar.
TEST PRESSURE = 68 bar.
2. INTERLOCK CAN BE USED AS 'VENT ONLY' BY FITTING A VENTED PLUG (DIVEX PART NO. FP444) TO PORT 'B'.
3. PORT 'A' CAN BE 'HANDED' ON ASSEMBLY.
4. THE ASSEMBLY SHOWN IS DC0300AA (STANDARD) WITH 155 LONG x 50 STROKE BOLT. VARIANTS OF THIS ASSEMBLY ARE AVAILABLE WITH ANY PRACTICAL BOLT STROKE.
5. INTERLOCK CAN OPERATE IN ANY ATTITUDE.

REF: MARA MIDLANDS DWG - MEMMS/08AA/DWG-01

ALL DIMENSIONS SHOWN ARE IN MM (UOS)
ALL DIMENSIONS BEFORE PLATING (UOS)
REMOVE ALL SHARP EDGES AND BURRS

DIMENSIONAL TOLERANCES

MACHINING		FABRICATION	
NO DECIMAL PLACES	±1.0	SIZE >0 <100	±0.5
ONE DECIMAL PLACE	±0.2	SIZE >100 <500	±1.5
TWO DECIMAL PLACE	±0.05	SIZE >500	±3.0
ANGULAR TOLERANCE	±0.5°	ANGULAR TOLERANCE	±0.5°

MATERIAL
N/A

FINISH
N/A

THIRD ANGLE PROJECTION

REV	DESCRIPTION	ECN No	BY	DATE	AUTH. BY
R06					
R05					
R04					
R03	ASSEMBLY WIDTH DIMENSIONS CORRECTED	13286	SJ	02/03/2010	GMcC
R02	NOTE UPDATED	6866	GR	05/02/2007	RTW
R01	OPERATION NOTES REVISED	5724	PW	23/06/2005	RTW
R00	ISSUED FOR MANUFACTURE		PKJ	18/10/2001	RTW

DO NOT SCALE DRAWING

TITLE			
INTERLOCK ASSEMBLY, Ø20 SLIDING BOLT, GENERAL ARRANGEMENT			
DRAWING No.		REV	
P21131S1		R03	
PART No.		PRODUCT / PROJECT No.	
DC0300**		INTERLOCK	
SIZE	SCALE	SHT	OF
A1	1 : 1	1	1

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