

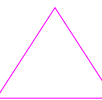

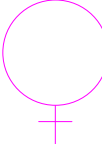


MECHANICAL KEY SYMBOLS. (Reference made to CEEB standard TPS 03/66
Electrical and Mechanical Interlocking for 132kV substation)


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|---|--|
|  | KEY RELEASED IN OPEN POSITION. TRAPPED IN OTHER POSITIONS. |
|  | KEY RELEASED IN CLOSED POSITION. TRAPPED IN OTHER POSITIONS. |
|  | KEY RELEASED IN OPEN OR CLOSED POSITION. TRAPPED WHEN NOT FULLY OPEN OR CLOSED |
|  | NORMAL POSITION OF KEY |
|  | SAFETY LOCKOUT KEY |

W.L.1 WARNING LABEL; THIS EARTH SWITCH SHOULD HAVE A LABEL STATING;
'WARNING THIS EARTH SWITCH IS NOT FULLY INTERLOCKED.'

NGED

NOTES:


CUSTOMER

1. INTERLOCK IS TO NGED EE SPEC:173 REQUIREMENTS.
2. THIS ARRANGEMENT IS ONLY REQUIRED WHERE THE INTERLOCKING RELAY IS NOT CONDITIONED BY A LIMIT SWITCH OF THE BOLT. THUS THE CONDITIONING IS DERIVED EXTERNALLY AND THE USE OF CASTELL Q WITH BLOCK FITTED WITH CONTACTS IS REQUIRED. THE TWO TYPES ARE;
 - a) CASTELL Q KEY KP1 (SINGLE KEY) BOLT INTERLOCK WITH BLOCK FITTED WITH CONTACTS WHICH MAKE WHEN KEY RELEASED AND BOLT EXTENDED.
 - b) CASTELL Q KEY KLP1–DKC (DOUBLE KEY CONDITION) BOLT INTERLOCK FITTED WITH CONTACTS WHICH MAKE WHEN BOTH KEYS ARE RELEASED AND BOLT EXTENDED.
3. WHERE THE DISCONNECTORS HAVE TWO MECHANICAL INTERLOCKING FACILITIES (OPEN AND CLOSED POSITIONS), THEN THE DISCONNECTOR SHOULD HAVE 2 LOCKS WITH 1 KEY TRAPPED. THUS TO ACHIEVE  KEY SHOULD BE RELEASED IN OPEN AND CLOSED POSITION.

FOR EXAMPLE:



IS EQUIVALENT TO

							Engineering Design Department (East Midlands) Pegasus Business Park, Castle Donington, DE74 2TU.			
							Title: NGED 145KV STANDARDS TEED CONNECTION ELECTRICAL & MECHANICAL INTERLOCKING SINGLE DIAGRAM	Scale: NTS@A1	Org. No. GCS0019-7	Rev No. A
A	PJB	CH	CH	13.11.24	FIRST ISSUE					
Rev	Drawn	Chk'd	App'd	Date	Revision Note					