

		Document TB0054	Page 1/1
	ROTALOCK	Rev. Date 14-Jan-08	Rev A 02

Title: ROTALOCK system for Powersafe series connectors.

Status: PATENT APPLIED FOR: Application no. 0714219.3



Since 1994 these types of single pole connectors have been available with a Secondary locking pin to ensure that connectors cannot be accidentally uncoupled under load. The traditional method requires a separate unlocking key to push the secondary locking pin out of its recess, allowing the connectors to be uncoupled.

The need for a separate key to unlock is warranted in certain applications but has been found to be a problem in other areas, as the key can be lost and uncoupling is not as rapid as required.

The new **Rotalock** system provides an excellent solution to this problem. Uncoupling is achieved by simply rotating a coupling ring. When rotated the coupling ring moves in a lateral plane to disengage the locking pin. In this way no separate tools are required for uncoupling.

However, the **Rotalock** can (where the application requires) be locked by turning two screws on the side of the ring, this will lock the ring open. In this way a tool (screwdriver) will be required to slacken the screws to allow coupling ring to be released before uncoupling the connectors.

So the system can be used in two distinct ways covering all user requirements.

The coupling ring can also be removed for use in Sequential mating units and can be easily replaced in the unlikely event of breakage.

- A) Rapid single-handed unlocking. With no special keys required.
- B) Ergonomic hand grip
- C) High Impact design
- D) Fully matable with all versions
- E) Available in panel and line versions
- F) Can be retrofitted to existing equipments

For further information please contact us