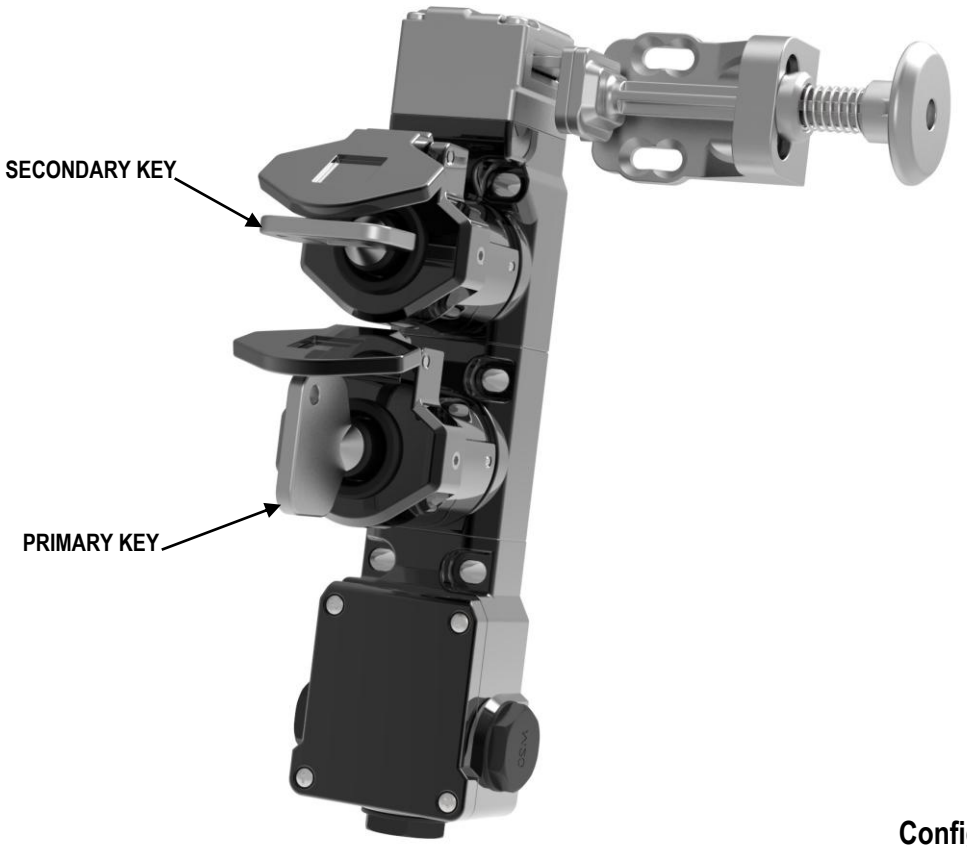
HT-CB DUAL TRAP KEY INTERLOCK
Operating Instructions



Configuration Shown:
M-HT-CB-D-R-11
(see table)

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING, OPERATING, OR MAINTAINING THIS EQUIPMENT.
The product is designed to be a component of a customized safety-oriented control system. It is the responsibility of the user to ensure the correct overall functionality of its systems and machines. IDEM, its subsidiaries and affiliates, are not in a position to guarantee all of the characteristics of a given system or product not designed by IDEM.

INSTALLATION: Installation must only be carried out by competent personnel and in accordance with these instructions. Always use correct size metal mounting bolts (M6). Tightening torque 2Nm.

WARNING: ALWAYS OBSERVE ELECTRICAL RATINGS FOR EX VERSIONS.

MAINTENANCE: Every month: Check all circuits for correct function. If the key or housing display signs of mechanical damage, then remove and replace. IDEM will not accept responsibility for failure of the switch functions if the installation and maintenance requirements are not implemented. THESE INSTRUCTIONS FORM PART OF THE PRODUCT WARRANTY.

CONFIGURATIONS AVAILABLE: (Please see part number table over page)

The HT-CB with Dual Trap Keys Operates as follows. Please consult Technical@idemsafety.com if in any doubt over function.

The Dual Key interlock has two operating Keys and is used as part of a Trapped Key interlock system to ensure that a guard or door is locked closed under normal operating conditions and can only be operated when a key from either the isolator or key exchange block is inserted into the interlock device.

- **With the Primary Key inserted and TRAPPED, the NC contacts open, Releasing the Secondary Key and Actuator. This enables the guard/door to be opened, granting access into the guarded area. The operator can take the Second Key into the guarded area, and it may be used to facilitate a further interlock requirement, or it can be retained by the operator to ensure that the interlock sequence may not be reversed.**

- **Once the Actuator is re-inserted and the Secondary Key is returned and TRAPPED, can the Primary Key be turned and Released, closing the NC contacts - Ensuring the guard/door is securely locked. The Primary Key may then be returned to the key exchange block or isolator and power restored to the application.**

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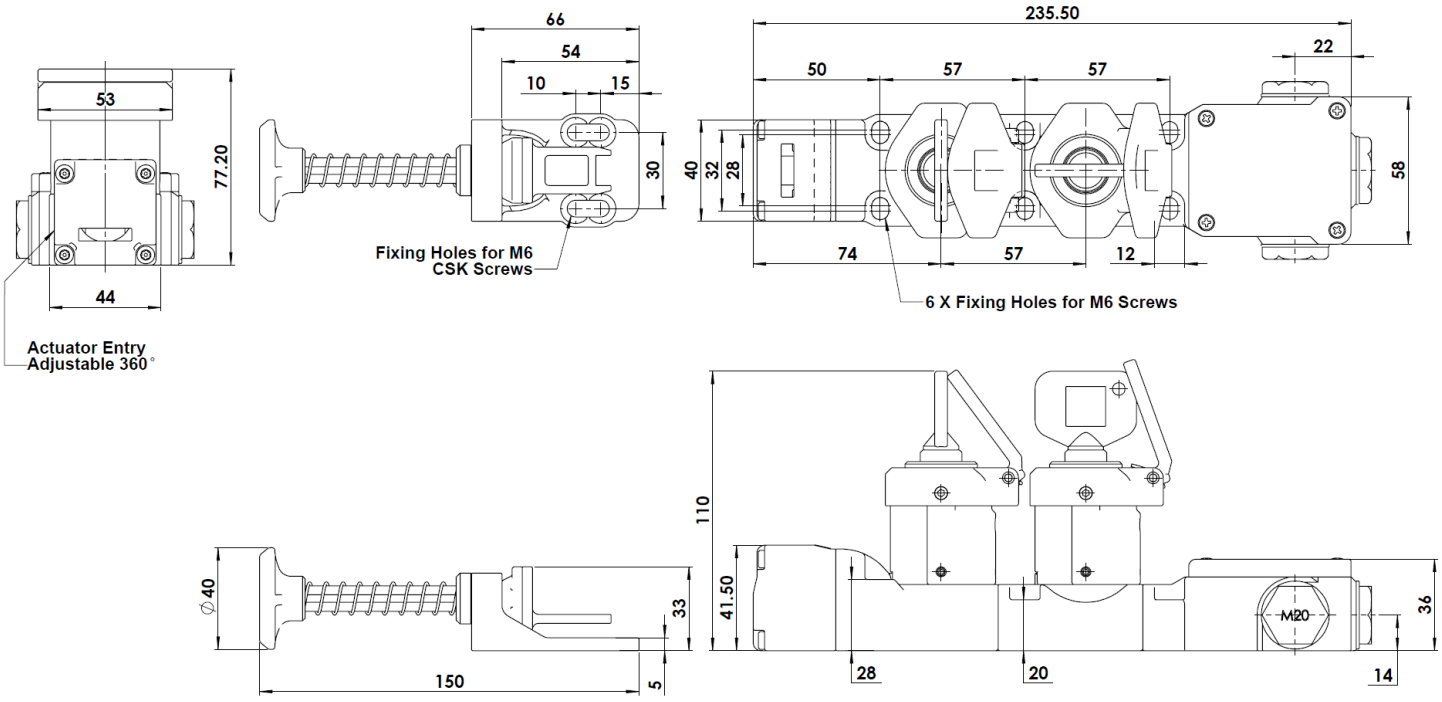
PRODUCT DIMENSIONS (mm)

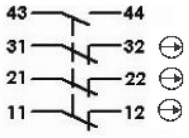


TECHNICAL SPECIFICATION:

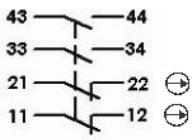
Body Material: Stainless Steel or Die Cast
Operating Temperature: -20°C / 60°C
IP Rating: IP69K
Holding Force: 3000N. (F1max.) 2307N. (Fzh)
Mechanical Life (B10d): 1,000,000 cycles.

STANDARD CONTACT BLOCKS:

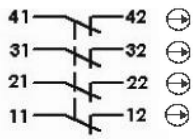
3NC 1NO



2NC 2NO



4NC



HT-CB DUAL TRAP KEY TONGUE INTERLOCK CONFIGURATIONS:

MATERIAL (SS or M)	-	HT-CB-D	-	LEFT HAND OR RIGHT HAND	-	CONTACT BLOCK NC / NO	-	CONDUIT ENTRY (M20/ 1/2"NPT)	-	KEY FREE	X	KEY TRAPPED	OPTIONAL LOCKABLE DUST COVER (-LT)
SS	-	HT-CB-D	-	L	-		-		-	120	X	102	(-LT)
SS	-	HT-CB-D	-	R	-	**22**	-		-	120	X	102	(-LT)
SS	-	HT-CB-D	-	L	-	or	-	**M**	-	120	X	102	(-LT)
SS	-	HT-CB-D	-	R	-	**31**	-	or	-	120	X	102	(-LT)
M	-	HT-CB-D	-	L	-	or	-	**N**	-	120	X	102	(-LT)
M	-	HT-CB-D	-	R	-	**40**	-		-	120	X	102	(-LT)
M	-	HT-CB-D	-	L	-		-		-	120	X	102	(-LT)
M	-	HT-CB-D	-	R	-		-		-	120	X	102	(-LT)

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