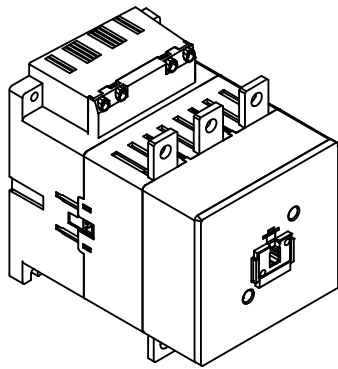
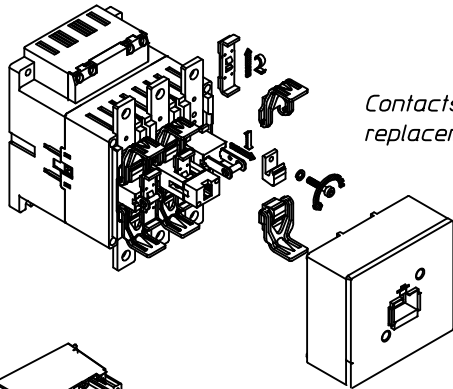
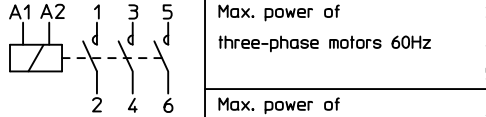


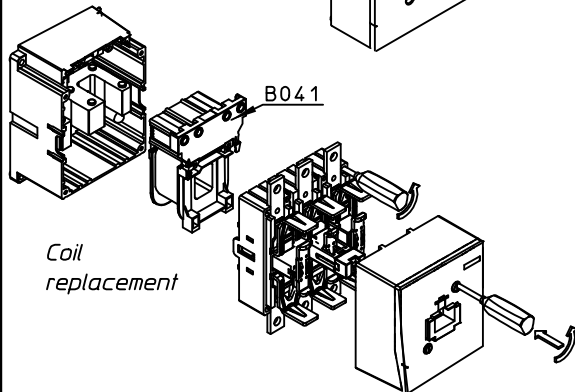
cod. 5807253



contact diagrams



Contacts replacement



Coil replacement

RATINGS ACCORDING TO cULus

Contactor type		GH15RT	GH15ST	GH15TT
Insulation voltage	AC V	600		
General Use	A	250	300	360
Max. power of three-phase motors 60Hz	200V HP	60	75	100
	230V HP	75	100	125
	460V HP	150	200	250
	575V HP	200	250	300
Max. power of single-phase motors 60Hz	230V HP	40	50	50
Auxiliary contacts		Rated voltage: 600V AC Switching capacity: A600		

Ratings refer to non-reversing and reversing contactors.
For reversing contactors mechanical and electrical interlocks must be used.
For starter combination use only with overload relay type RTD320

Suitable for use on a circuit capable of delivering not more than 18 kA rms sym 600 Vac max when protected
For GH15RT: by RK5 Listed Fuses rated 400A, 600Vac
For GH15ST: by RK5 Listed Fuses rated 450A, 600Vac
For GH15TT: by RK5 Listed Fuses rated 500A, 600Vac
Use fuses only

RATINGS ACCORDING TO IEC

Contactor type		GH15RT	GH15ST	GH15TT
Insulation voltage	AC V	1000		
Resistive loads AC-1	A	350	450	500
Max. power of 50-60Hz three-phase motors	230V kW	60	75	90
	400V kW	110	132	160
AC-3 category	440V kW	125	150	190
	500V kW	132	160	210
	690V kW	132	160	210
	1000V kW	110	132	160

Main circuit connections Use 75°C copper wire only	Size of cable flexible or stranded	Tightening torque
	- Cables up to 250Kcmil - Bars: max width 20mm	275 lb.in

	1 1 x 6-300 MCM 2 1 x 6-300 MCM - With terminal kit KAL4 (Optional)	275 lb.in
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Auxiliary circuit connections	2 cables with same section	Tightening torque
	Stranded 16-12 AWG Solid 14-12 AWG	7 lb.in Pz n.2 1 X Ø6

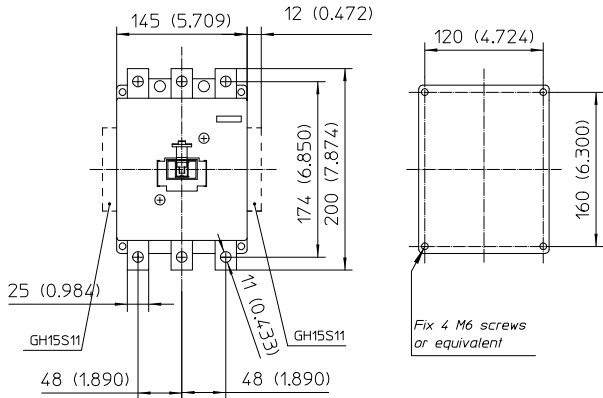
		<p>WARNING: Hazard of electrical shock. Installation and maintenance by qualified personnel only. Remove power before servicing. Follow the operating instructions. Protection degree IP00.</p>
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- Do not mount or remove contactor with power connected.
- Provide adequate circuit protection (fuses, circuit breakers) on the supply side of the contactor.
- Working position: in the vertical plane as shown in the drawings.
- Installation: check that closing-opening movement is free by manually actuating the contactor (POWER OFF) after installation.
- Ensure that control voltage remains within 85%-110% of rated coil voltage.
- Check that components (switches, control relays, output modules, etc.) driving the coil do not cause unsteady operations resulting in uncontrolled breaking and making operations of the contactors.
- Do not operate with power connected without the arc chute.

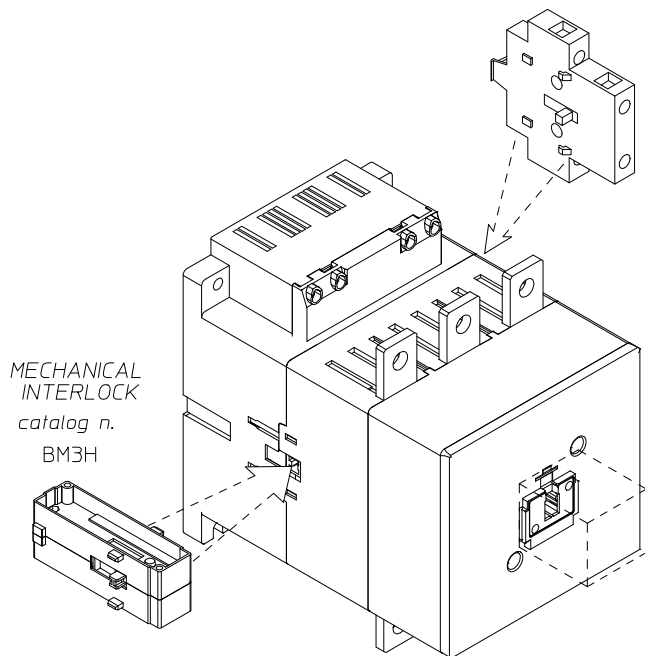
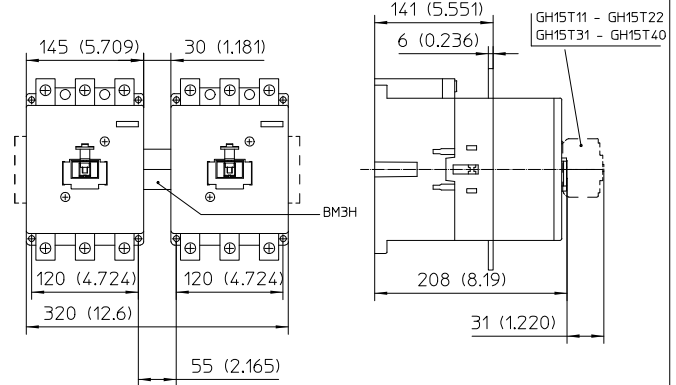
- Noise from the electromagnet indicates that debris has entered into the contactor coil area (pieces of wire, insulation, iron filings, etc.). To remove debris disconnect the contactor, disassemble it and clean the magnetic surface.
- Periodically check (frontally operating) the contacts wear and replace them if necessary.
- After a short circuit check the contacts condition. Light contact weldings can be separated by a screwdriver.

Overall and fixing dimensions

3-pole contactor



3-pole contactor with mechanical interlock



SIDE MOUNTING AUXILIARY CONTACT BLOCKS
 (maximum 2 per contactor)

catalog n. GH15S11 contact types 1NO-1NC

TOP MOUNTING AUXILIARY CONTACT BLOCKS

catalog n.	contact types
GH15T40	4NO
GH15T31	3NO-1NC
GH15T22	2NO-2NC
GH15T11	1NO-1NC

MECHANICAL INTERLOCK
 catalog n. BM3H

BM3H mechanical interlock assembly instructions

1. Fix a contactor to the plate
2. Fit the mechanical interlock ① on one side of the contactor, by inserting the driving pin ② into the notch of the movable part of the contactor
3. Connect the second contactor by repeating the above
4. Fix second contactor
5. Check the interlock by driving the contactors manually

