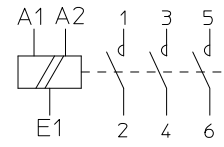


GH15MTML

schema
contatti
contact
diagrams

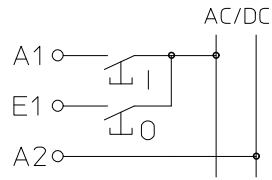


ATTENZIONE:
Contattore spedito con contatti chiusi

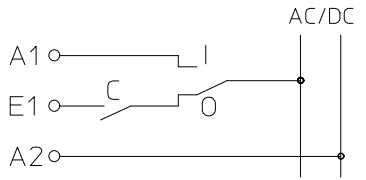
ATTENTION:
Contactor shipped in closed position

SCHEMA DI COMANDO CONTROL DIAGRAM

Comando a pulsanti
Push button control



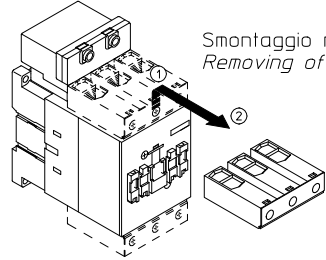
Comando a contatto permanente
Permanent control



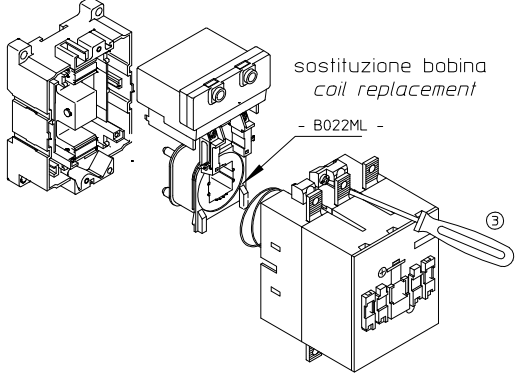
C = Contatto ausiliario del contattore a montaggio frontale tipo GH15T... oppure laterale tipo GH15S11. La bobina di apertura (terminale E1) non è adatta al servizio continuo, quindi deve essere disalimentata (dal contatto C) quando il contattore apre.

C = Contactor auxiliary contact front mounting type GH15T... or side mounting type GH15S11. Opening coil (E1 terminal) is not for continuous duty, so must be deenergized (by C contact) when contactor opens.

Assorbimento bobina: Coil consumption:	chiusura inrush	250 VA	apertura opening	100 VA
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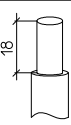
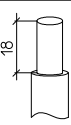
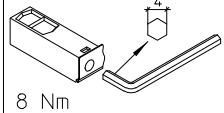
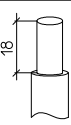
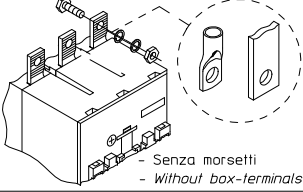
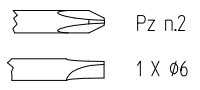
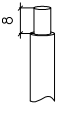
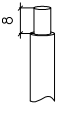
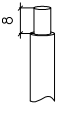




Smontaggio morsetti
Removing of box-terminals



sostituzione bobina
coil replacement

- B022ML -

<p>Connessioni circuiti principali Main circuit connections</p>  <p>- Con morsetti - With box-terminals</p>	<p>Sezione del cavo (mm²) Size of cable (mm²) flessibile o semirigido flexible or stranded</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">1 x 4 ... 50</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">  </td> </tr> <tr> <td style="padding: 2px;">1 x 4 ... 35</td> </tr> </table>	1 x 4 ... 50		1 x 4 ... 35	<p>Coppia di chiusura Tightening torque</p>  <p style="text-align: center;">8 Nm</p>																									
1 x 4 ... 50																														
1 x 4 ... 35																														
 <p>- Cavi fino a 70 mm² - Bandelette: 15x3 - Dimensione viti: M5x15 - Viti, rosette e dadi non sono incluse al contattore.</p> <p>- Cables up to 70 mm² - Bars: 15x3 - Screws size: M5x15 - Screws, washers and nuts are not supplied with the contactor.</p>	<p style="text-align: center;">4 Nm</p>	<p style="text-align: center;">0.8 Nm</p>  <p style="text-align: center;">Pz n.2 1 X Ø6</p>																												
<p>Connessioni circuiti ausiliari Auxiliary circuit connections</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">1 x 1 ... 2.5</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">  </td> </tr> <tr> <td style="padding: 2px;">2 x 1 ... 1.5</td> </tr> <tr> <td style="padding: 2px;">2 x 1.5 ... 2.5</td> </tr> </table>	1 x 1 ... 2.5		2 x 1 ... 1.5	2 x 1.5 ... 2.5	<p>Connessioni circuiti ausiliari Auxiliary circuit connections</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Tipo di coordinamento Coordination type</td> <td style="padding: 2px;">Ue 440V I_k ≤ 50kA</td> <td style="padding: 2px;">Ue 690V I_k ≤ 35kA</td> </tr> <tr> <td style="padding: 2px;">2 gG</td> <td style="padding: 2px; text-align: center;">160A</td> <td style="padding: 2px; text-align: center;">125A</td> </tr> <tr> <td style="padding: 2px;">2 aM</td> <td style="padding: 2px; text-align: center;">125A</td> <td style="padding: 2px; text-align: center;">100A</td> </tr> <tr> <td style="padding: 2px;">1 gG</td> <td style="padding: 2px; text-align: center;">200A</td> <td style="padding: 2px; text-align: center;">160A</td> </tr> </table> <p style="font-size: 8pt;">Fusibili per contatti ausiliari: gG 10A</p>	Tipo di coordinamento Coordination type	Ue 440V I _k ≤ 50kA	Ue 690V I _k ≤ 35kA	2 gG	160A	125A	2 aM	125A	100A	1 gG	200A	160A	<p>Short circuit protection fuses</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Tipo di coordinamento Coordination type</td> <td style="padding: 2px;">Ue 440V I_k ≤ 50kA</td> <td style="padding: 2px;">Ue 690V I_k ≤ 35kA</td> </tr> <tr> <td style="padding: 2px;">2 gG</td> <td style="padding: 2px; text-align: center;">160A</td> <td style="padding: 2px; text-align: center;">125A</td> </tr> <tr> <td style="padding: 2px;">2 aM</td> <td style="padding: 2px; text-align: center;">125A</td> <td style="padding: 2px; text-align: center;">100A</td> </tr> <tr> <td style="padding: 2px;">1 gG</td> <td style="padding: 2px; text-align: center;">200A</td> <td style="padding: 2px; text-align: center;">160A</td> </tr> </table> <p style="font-size: 8pt; text-align: right;">Auxiliary contact fuses: gG 10A</p>	Tipo di coordinamento Coordination type	Ue 440V I _k ≤ 50kA	Ue 690V I _k ≤ 35kA	2 gG	160A	125A	2 aM	125A	100A	1 gG	200A	160A
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<p>ATTENZIONE: Pericolo di scosse elettriche. Installazione e manutenzione eseguita solo da personale qualificato. Togliere tensione prima d'intervenire. Seguire le istruzioni di servizio. Grado di protezione IP10 (con morsetti).</p>			<p>WARNING: Hazard of electrical shock. Installation and maintenance by qualified personnel only. Remove power before servicing. Follow the operating instructions. Protection degree IP10 (with box-terminals).</p>
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INSTALLAZIONE

- Non montare o smontare il contattore se la linea e' in tensione.
- Inserire a monte del contattore opportuni dispositivi di protezione dal corto circuito (fusibili, interruttori).
- Posizione di lavoro: sul piano verticale come indicato nei disegni di ingombro.
- Messa in opera: verificare azionando manualmente il contattore (con linea sezionata) che il movimento di chiusura-apertura non sia ostacolato da detriti penetrati all'interno durante le operazioni di montaggio.
- Controllare che la tensione di comando sia corretta e che le oscillazioni di tensione rimangano entro 85%-110% della tensione nominale.
- Verificare che i componenti (contatti, rele', automatismi, ecc.) che azionano la bobina, non diano luogo a funzionamenti instabili, provocando ravvicinate operazioni di chiusura e apertura del contattore.
- Non eseguire operazioni con tensione sui poli senza la camera spegningarco.

MANUTENZIONE

- Ispezionare (operando frontalmente) periodicamente lo stato di usura dei contatti ed eventualmente sostituirli se usurati.
- A seguito di un cortocircuito controllare lo stato dei contatti. Eventuali leggere saldature dei medesimi possono essere separate con un cacciavite.

MOUNTING

- 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 relas, 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.

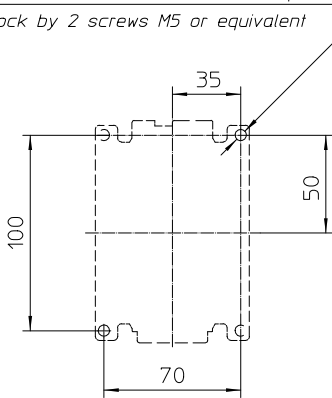
MAINTENANCE

- 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.

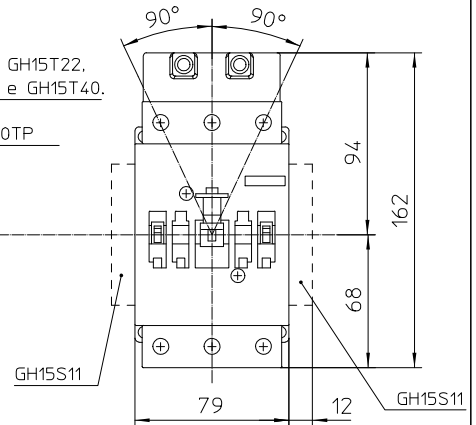
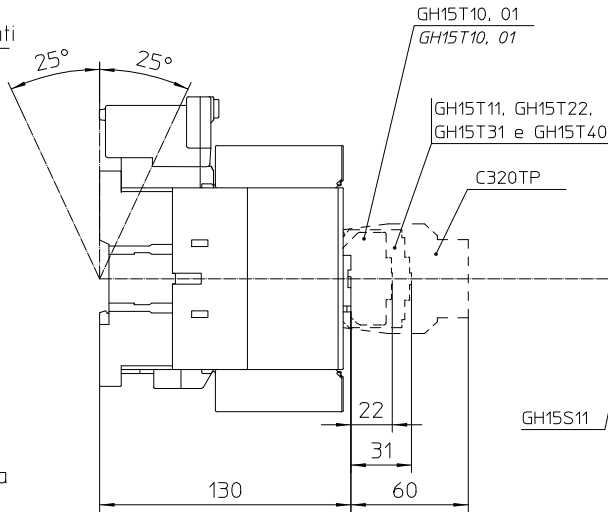
INGOMBRI e FISSAGGI

Overall and fixing dimensions

Fissare con 2 viti M5 o equivalenti
Lock by 2 screws M5 or equivalent



Non previsto il montaggio su canalina
Fitting on rail not possible



ACCESSORI

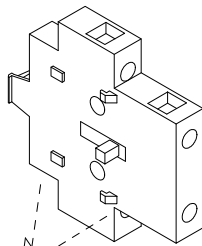
Accessories

CONTATTI AUSILIARI PER MONTAGGIO LATERALE (massimo 2 per contattore)
SIDE MOUNTING AUXILIARY CONTACT BLOCKS (maximum 2 per contactor)

CONTATTI AUSILIARI PER MONTAGGIO FRONTALE
TOP MOUNTING AUXILIARY CONTACT BLOCKS

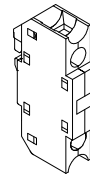
n. catalogo
catalogue n. GH15S11

tipo contatti
contact types 1NO-1NC



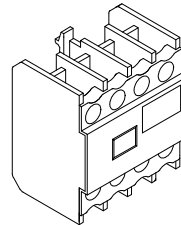
n. catalogo
catalogue n. GH15T10
GH15T01

tipo contatti
contact types 1NO
1NC

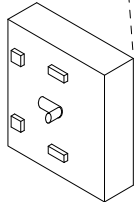


n. catalogo
catalogue n. GH15T40
GH15T31
GH15T22
GH15T11

tipo contatti
contact types 4NO
3NO-1NC
2NO-2NC
1NO-1NC

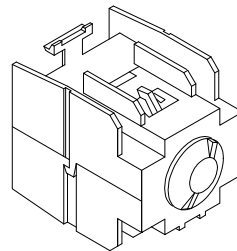


INTERBLOCCO
MECCANICO n. catalogo
catalogue n. BM0H
MECHANICAL
INTERLOCK



TEMPORIZZATORE
PNEUMATICO
(predisponibile con
ritardo ON opp. OFF)
PNEUMATIC TIMER
(settable for ON or OFF delay)
n. catalogo
catalogue n. C320TP1
C320TP2

campo di regolaz.
adjustable range 0.3-30s
10-180s



RICAMBI

Spare parts

Si possono sostituire le seguenti parti:

- contatti principali n. catalogo CP-GH15MT-10
- camera spegningarco n. catalogo PF-GH15MT
- bobina elettromagnetica n. catalogo B022ML
- blocchetti contatti ausiliari n. catalogo (vedi accessori)

The following components can be replaced:

- main contacts catalogue n. CP-GH15MT-10
- arc chute catalogue n. PF-GH15MT
- magnet coil catalogue n. B022ML
- auxiliary contact blocks catalogue n. (see accessories)

