

MACGREGOR



Emergency box electric cranes

Easy access to critical spare parts ensures crane operation

Technical information CM141

General

To ensure the performance of your ship cranes, it is vital to have quick and easy access to critical spare parts. This way expensive downtime can be avoided.

Our emergency box contains the most critical spare parts that will keep your crane running. The included parts are selected by our service department, based on years of experience.

A paper binder with hydraulic and electric circuit diagrams is included in the emergency box, to enable quick troubleshooting - together with an inventory list with all included spares, to facilitate easy refill of the box.

Included spare parts

The content in each emergency box is individually adapted to suit the cranes on board your vessel.

Controller; hoisting	x 1
Controller; slewing/luffing	x 1
Electronic MC-card	x 1
Electronic CC-card	x 1
Motor switch; Q6	x 1
Motor switch; Q7	x 1
Motor switch; Q11	x 1
Motor switch; QC35	x 1
Contactor; K4	x 1
Contactor; K6	x 1
Contactor; K9	x 1
Contactor relay; K30	x 1
Contactor relay; K33	x 1
Safety relay; K99	x 1
Bypass contactor; KZ10	x 1
Auxiliary contact block; part of K4	x 2
Auxiliary contact block; part of K6	x 2
Fuse; F1, F6	x 10
Fuse; F7	x 10
Power supply; U1	x 1
Micro switch; for limit box	x 1
Slack wire switch, hoisting	x 1
Slack wire switch, luffing	x 1
Temperature sensor; BTA1 - BTA6	x 1
Encoder, absolute; BA1 - BA5	x 1
Encoder, incremental; BSI11 - BSI15	x 1
Control Interface Module (CIM); for ALM	x 1
Connector M12, 8-pole; female & male	x 2
Connector M12, 5-pole; female & male	x 2
Connector M12, 4-pole; female & male	x 2
Prefabricated cable, M12; for BF1	x 1
Communication cable, Drive Cliq; for VFD	x 1
Fuse, fan (F101/102); part of AIM	x 2
Fuse, DC link (F1/F2); part of ALM	x 2
Fuse, fan (F10/F11); part of VFD hoisting	x 2
Fuse, DC link (F1/F2); part of VFD hoisting	x 2
Fuse, fan (F10/11); part of VFD luffing	x 2

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Advantages

- Quick access to critical spare parts
- Easy to store on board
- Easy to refill after use
- Increases the availability of the cranes
- Advantageous price, compared to buying single items
- Suitable for all electrical cranes

Ordering emergency box

Emergency Box Electrical cranes Part No 400025694
Please state Mfg No. for the cranes when ordering.

Fuse, DC link (F1/F2); part of VFD luffing	x 2
Fuse, DC link (F1/F2); part of VFD slewing	x 3
Pre-charge resistor; part of AIM	x 3
Pressure sensor; 4147	x 1
Level and temperature sensor; 4333	x 1
Pressure switch; 1381, 2381, 3381	x 1
Pressure switch; 4145	x 1
Pressure switch; 4146	x 1
Directional valve; 1226, 1227, etc.	x 1
Directional valve; 4176	x 1
Oil filter; 4102	x 1
Load cell; BF1	x 1
Roller bearing for wire sheave (crane)	x 2
Roller bearing for wire sheave (block)	x 2

Aluminum box

The spare parts are stored in a strong aluminum box that can be locked with padlocks. The inside of the box is lined with soft protection material to prevent the parts from any damages.



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