

# 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.

## 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.

## Included spare parts

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

Controller; hoisting	x 1	Fuse, DC link (F1/F2); part of VFD luffing	x 2
Controller; slewing/luffing	x 1	Fuse, DC link (F1/F2); part of VFD slewing	x 3
Electronic MC-card	x 1	Pre-charge resistor; part of AIM	x 3
Electronic CC-card	x 1	Pressure sensor; 4147	x 1
Motor switch; Q6	x 1	Level and temperature sensor; 4333	x 1
Motor switch; Q7	x 1	Pressure switch; 1381, 2381, 3381	x 1
Motor switch; Q11	x 1	Pressure switch; 4145	x 1
Motor switch; QC35	x 1	Pressure switch; 4146	x 1
Contactor; K4	x 1	Directional valve; 1226, 1227, etc.	x 1
Contactor; K6	x 1	Directional valve; 4176	x 1
Contactor; K9	x 1	Oil filter; 4102	x 1
Contactor relay; K30	x 1	Load cell; BF1	x 1
Contactor relay; K33	x 1	Roller bearing for wire sheave (crane)	x 2
Safety relay; K99	x 1	Roller bearing for wire sheave (block)	x 2
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		

## 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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