

Designation	Application	Function	Part no.
3T3 terminal box Power and signal distribution (incl. signal cable to DC and mounting plate)	DC 1 - 25		772 174 45
Manual travelling hoist terminal box Electric long travel, manual cross travel (incl. power and signal cable to DC and mounting plate)	DC 1 - 15		772 175 45
DC / diode terminal box Control of the DC unit via floating contacts with 24 V AC (incl. diodes, power and signal cable to DC and mounting plate)	e.g. control unit provided by the customer, PLC control system.	Converting parallel control contact signals into tri-state signals Power distribution, signal distribution (flat/round cable to RJ45 cable). Not for DCS-Pro / DC-ProDC/CC/FC.	DC 1 - 15 772 165 45 DC 16 - 25 772 168 45
Polu-box Control of an AC travel motor up to 2x750 W (for DC16/25 with EU56 use crab module 720 335 45)	DC 1 - 15, travel applications with squirrel-cage rotor motors, e.g. DRF 200, EUD articulated trolley, end carriage drives, slewing cranes with a slewing drive.	Contactors control for DC systems with tri-state control signals. Connection for power distribution, limit and fast-to-slow switches, pole-changing motor and control signals to the chain hoist via RJ45 plug connection.	772 280 45
Crab module	DC 16 - 25	The trolley module is required for controlling an AC asynchronous motor as travel or slewing drive. The motor may have one or two numbers of poles and be provided with an electro-mechanical brake.	720 335 45
3TK signal converter 3-state to conventional → Generation of conventional control signals / contacts of 42 V, 48 V, 115 V and 230 V, 50/60 Hz (incl. mounting plate)	DC 1 - 15, for replacing an existing hoist unit with contactor control, control pendant on DC.	Is used for converting tri-state signals of the chain hoist in floating contacts for conventional contactor controls. Forward, Reverse, Fast, Right, Left, Fast, Special signal_1, Special signal_2, Emergency-stop (safety relay) contacts. Is only used for the crane axis, if the DSE is fitted on the DC hoist.	772 176 45
3TK signal conversion box module, crane axis (3-state to conventional → conventional output)	DC 16 - 25	24 V AC tri-state control signals can be converted into conventional control signals from 42 V to 230 V AC for the crane axis. In addition, the module also isolates the emergency-stop contact via two interlocked safety relays.	720 345 45
KT3 signal converter Conventional to 3-State DC control by means of conventional control signals / contacts 42 V, 48 V, 110 V and 115 V, 50/60 Hz (incl. mounting plate)	DC 1 - 15, for replacing an existing hoist unit with contactor control, control pendant is mobile or not fitted to the travelling hoist.	Is used to convert conventional signals (Lifting, Lowering, Fast, Right / Forward, Left / Reverse, Fast, Emergency-Stop) into tri-state signals for DC chain hoist / travelling hoist.	772 177 45
KT3 signal converter module Conventional to 3-State → conventional input)	DC 16 - 25	Conventional control signals can be converted from 42 to 230 V AC, 50/60 Hz into 'tri-state' signals on 24 V AC basis. The module can also be used for 24 V DC signals (e.g. PLC).	720 340 45
DT3 signal converter Direct to 3-state DC control by means of conventional control signals / contacts 230 V AC, 50/60 Hz (incl. mounting plate)	DC 1 - 15, application as KT3 signal converter, different voltage range	Is used to convert conventional signals (Lifting, Lowering, Fast, Right / Forward, Left / Reverse, Fast, Emergency-Stop) into tri-state signals for DC chain hoist / travelling hoist.	772 166 45
PWM / tri-state signal converter	Is used to convert PWM signals for DC 1 - 25 hoists <ul style="list-style-type: none"> • tri-state signals, • conventional V1 / V2 signals, • infinitely variable analogue signals (0-5 V or 0-10 V) with direction contacts. 		720 185 45
Analogue / PWM signal converter	Is used to convert analogue signals (0-5 V DC or 0-10 V DC) for DCS-Pro 1 - 15 hoists <ul style="list-style-type: none"> • Control of DCS-Pro via PLC with analogue output • Parallel control of two or several DCS-Pro chain hoists with DRC-MP radio control system 		720 188 45
KRBG crane bridge enclosure (230-575 V / 50/60 Hz)	Crane applications, e.g. KBK crane with DC travel drives	Used to provide power supply for crane installations with DC systems (tri-state signals). Enclosure with crane switch contactor, 24 V AC control transformer, connection for power and signal distribution to DC travel drives.	772 278 45
KRBG 2 crane bridge enclosure (230-575 V / 50/60 Hz), incl. Polu-box	Crane applications, e.g. KBK crane with DRF 200 as crane drive, pillar-mounted slewing jib with AC motor as slewing drive	Used to provide power supply for crane installations with travelling hoist featuring DC systems (tri-state signals) and for connecting pole-changing motors via Polu-box (e.g. end carriage drives with max. 2 x 750 W). Enclosure with crane switch contactor, 24 V AC control transformer, integrated Polu-box, connection for power and signal distribution to DC travel drives and connection for end and fast-to-slow limit switches.	772 378 45
Universal E-box	DC 1 - 25 (incl. terminal strip, cable unions, mounting plate)		772 167 45



For further information, please refer to documents table page 50:

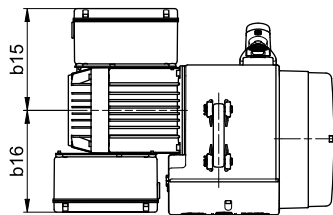
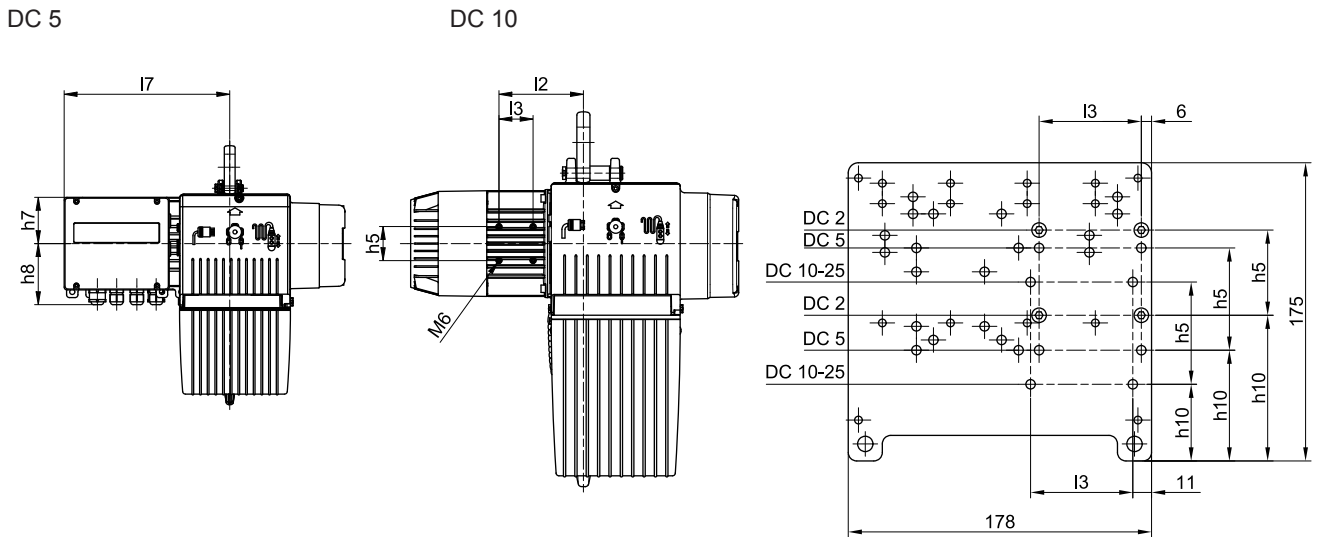
- 'DC PWM/3ST signal converter assembly instructions',
- 'DCS analogue/PWM signal converter assembly instructions',
- 'DC electrical accessories technical data',
- 'Polu-box electrical accessories technical data'.

4.3.6.2 Assembly parts for electric enclosure

Examples for attachment: Motor-side fitting

An additional electric enclosure may need to be installed in certain applications (see next page).

The bore holes on the motor ribs serve as attachment points for the mounting plate.

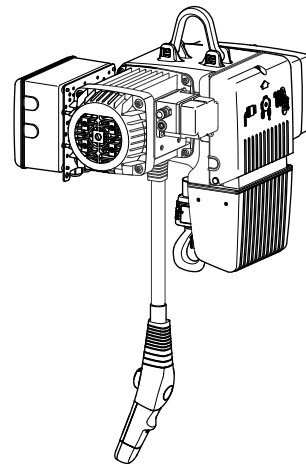
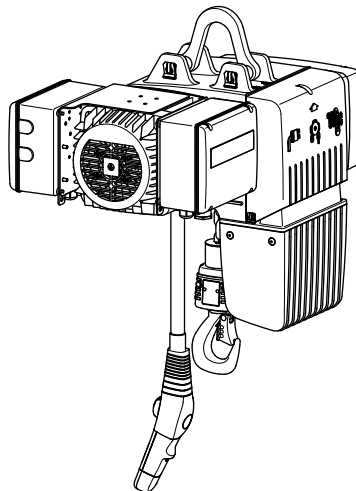
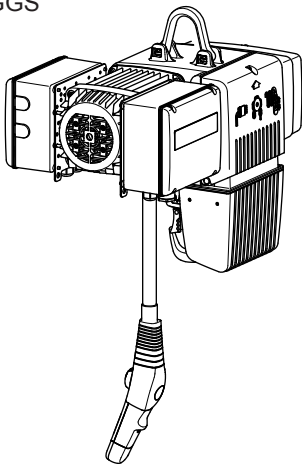


Size	Reeving	b15	b16	l2	l3	l7	h5	h7	h8	h10
DC 1 - 2		167	167	170		286	50	66	123	85,5
DC 5	1/1	180	180	175	60	292	60	82	107	65
				182		294		102	87	45
DC 10	2/1	211	198	147	60	310	60	82	107	45
				198		294		82	107	45
DC 15	1/1	211	198	198	60	310	60	82	107	45
	2/1			198		310		82	107	45
DC 16 - 25	1/1	211	198	177	60	294	60	82	107	45
	2/1			177		294		82	107	45

Mounting examples:
DC 5 with 2 electric enclosures
GGS

DC 10 with 2 electric enclosures

DC 5 with 1 electric enclosure and 1



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Designation	Component	Part no.	Weight [kg]
Enclosure mounting plate	DC 1-25	718 383 45	0,460
Angle bracket	DC 10-25	718 335 45	1,150



The enclosure is always fitted to the motor on the control pendant side if a geared limit switch or Harting plug arrangement is fitted.