

## 1.7.4 DC-ProDC for direct control, DC-ProCC (in preparation) for conventional contactor control (2 hoist speeds)

Load capacity [kg]	Chain hoist size DC-ProDC DC-ProCC	Reeving	Group of mechanisms DIN EN 14492 FEM / ISO	Chain size [mm]	Hoist speed		Standard hook path <sup>1)</sup> H [m]	Motor size <sup>2)</sup>	Max. weight for hook path <sup>4)</sup>			
					at 50 Hz [m/min]	at 60 Hz [m/min]			4 m [kg]	5 m [kg]	8 m [kg]	
80	1	1/1	4m / M7	4,2x12,2	8,0/2,0	9,6/2,4	5 and 8	ZNK 71 A 8/2 <sup>3)</sup>	-	22	24	
	2				16,0/4,0	19,2/4,8						ZNK 71 B 8/2
	5				24,0/6,0	28,8/7,2						ZNK 80 B 8/2
100	1			4,2x12,2	8,0/2,0	9,6/2,4		ZNK 71 A 8/2 <sup>3)</sup>				
	2				16,0/4,0	19,2/4,8		ZNK 71 B 8/2				
	5				24,0/6,0	28,8/7,2		ZNK 80 B 8/2				
125	1			4,2x12,2	8,0/2,0	9,6/2,4		ZNK 71 A 8/2 <sup>3)</sup>				
	2				16,0/4,0	19,2/4,8		ZNK 71 B 8/2				
	5				24,0/6,0	28,8/7,2		ZNK 80 B 8/2				
160	2			4,2x12,2	8,0/2,0	9,6/2,4		ZNK 71 B 8/2				
	5				16,0/4,0	19,2/4,8		ZNK 80 B 8/2				
					24,0/6,0	28,8/7,2						
200	2			3m / M6	4,2x12,2	8,0/2,0		9,6/2,4		ZNK 71 B 8/2		
	5			4m / M7	5,3x15,2	16,0/4,0		19,2/4,8		ZNK 80 B 8/2		
					7,4x21,2	24,0/6,0		28,8/7,2		ZNK 100 A 8/2		
250	2	2m+ <sup>5)</sup> / M5+	4,2x12,2	8,0/2,0	9,6/2,4	ZNK 71 B 8/2						
	5	4m / M7	5,3x15,2	16,0/4,0	19,2/4,8	ZNK 80 B 8/2						
			7,4x21,2	24,0/6,0	28,8/7,2	ZNK 100 A 8/2						
315	5	4m / M7	5,3x15,2	8,0/2,0	9,6/2,4	ZNK 80 B 8/2						
	10			12,0/3,0	14,4/3,6	ZNK 100 A 8/2						
				7,4x21,2	24,0/6,0	28,8/7,2	ZNK 100 B 8/2					
400	5	3m / M6	5,3x15,2	8,0/2,0	9,6/2,4	ZNK 80 B 8/2						
	10	4m / M7	7,4x21,2	12,0/3,0	14,4/3,6	ZNK 100 A 8/2						
		3m / M6		24,0/6,0	28,8/7,2	ZNK 100 B 8/2						
500	5	2m+ <sup>5)</sup> / M5+	5,3x15,2	8,0/2,0	9,6/2,4	ZNK 80 B 8/2						
	10	4m / M7	7,4x21,2	12,0/3,0	14,4/3,6	ZNK 100 A 8/2						
		2m+ <sup>5)</sup> / M5+		24,0/6,0	28,8/7,2	ZNK 100 B 8/2						
630	10	4m / M7	7,4x21,2	6,0/1,5	7,2/1,8	ZNK 100 A 8/2						
800				12,0/3,0	14,4/3,6	ZNK 100 B 8/2						
				6,0/1,5	7,2/1,8	ZNK 100 A 8/2						
1000	15	4m <sup>7)</sup> / M7	8,7x24,2	8,0/2,0	9,6/2,4	4						
				6,0/1,5	7,2/1,8	5 and 8	ZNK 100 B 8/2	65	73			
				8,0/2,0	9,6/2,4			56	60			
1250	10	2/1	4m / M7	7,4x21,2	8,0/2,0	9,6/2,4	5 and 8	ZNK 100 B 8/2	71	72	77	
	15	1/1	1Am <sup>8)</sup> / M4	8,7x24,2	8,0/2,0	9,6/2,4			4	71	72	77
	16		3m <sup>6)</sup> / M6		12,0/3,0	14,4/3,6			ZNK 100 C 8/2	111	113	118
1600	10	2/1	3m / M6	7,4x21,2	6,0/1,5	7,2/1,8	5 and 8	ZNK 100 B 8/2	-	65	73	
	15	1/1	2m+ <sup>5)</sup> <sup>9)</sup> / M5+	8,7x24,2	8,0/2,0	9,6/2,4	4	ZNK 100 C 8/2	71	72	77	
	16		2m+ <sup>5)</sup> <sup>8)</sup> / M5+		12,0/3,0	14,4/3,6		111	113	118		
2000	10	2/1	2m+ <sup>5)</sup> <sup>6)</sup> / M5+	7,4x21,2	6,0/1,5	7,2/1,8	5 and 8	ZNK 100 B 8/2	-	65	73	
	15	1/1	4m <sup>10)</sup> / M7	8,7x24,2	4,0/1,0	4,8/1,2	4	ZNK 100 C 8/2	83	86	96	
	25		2m+ <sup>5)</sup> / M5+	10,5x28,2	8,0/2,0	9,6/2,4		113	115	123		

### DC-ProDC, DC-ProCC continued

Load capacity [kg]	Chain hoist size DC-Pro	Reeving	Group of mechanisms DIN EN 14492 FEM / ISO	Chain size [mm]	Hoist speed		Standard hook path <sup>1)</sup> H [m]	Motor size <sup>2)</sup>	Max. weight for hook path		
					at 50 Hz [m/min]	at 60 Hz [m/min]			4 m [kg]	5 m [kg]	8 m [kg]
2500	10	2/1	1Am <sup>7)</sup> / M4	7,4x21,2	4,0/1,0	4,8/1,2	5 and 8	ZNK 100 B 8/2	-	65	73
	15		3m / M6	8,7x24,2			4		83	86	96
	16		3m <sup>8)</sup> / M6		6,0/1,5	7,2/1,8	110	113	124		
	25	1/1	1Am / M4	10,5x28,2	8,0/2,0	9,6/2,4	ZNK 100 C 8/2	113	115	123	
3200	15	2/1	2m+ <sup>5)</sup> <sup>8)</sup> / M5+	8,7x24,2	4,0/1,0	4,8/1,2	4	ZNK 100 B 8/2	83	86	96
16	2m+ <sup>5)</sup> <sup>9)</sup> / M5+		6,0/1,5		7,2/1,8	110		113	124		
5000	25		2m+ <sup>5)</sup> / M5+	10,5x28,2	4,0/1,0	4,8/1,2		ZNK 100 C 8/2	125	130	145

### Further special features for DC-ProDC for direct control

Chain hoist size	DC-Pro 1	DC-Pro 2	DC-Pro 5	DC-Pro 10			DC-Pro 15	
Load capacity [kg]	≤ 125	≤ 250	≤ 500	≤ 1000	≤ 1250	≤ 2500	≤ 1600	≤ 3200
Reeving	1/1					2/1	1/1	2/1
Motor size	ZNK 71 A 8/2	ZNK 71 B 8/2	ZNK 80 B 8/2	ZNK 100 A 8/2	ZNK 100 B 8/2	ZNK 100 B 8/2	ZNK 100 B 8/2	ZNK 100 B 8/2
Intermediate ange thickness [mm]	110			90				
Operating limit switch for lifting	- Standard without operating limit switch for lifting - Option with operating limit switch for lifting				- Standard with operating limit switch for lifting - Option without operating limit switch for lifting (The operating limit switch is not needed in chain hoists for customer-designed installation control systems which include a corresponding limit cut-off arrangement.)			
Intermediate ange	- Standard without intermediate ange - Option with intermediate ange				- Standard with intermediate ange		- Standard with intermediate ange - For option with operating limit switch for lifting without intermediate ange	
Counterweight	- For option with intermediate ange with counterweight tting on the motor			- No counterweight				

- For the 'lifting' operating limit switch option, the electric equipment cover is extended by an intermediate ange;
- The max. line voltage with the control unit connected is 500 V;
- External control with GF brake module is possible up to 500 V;
- Braking from main lifting to 0 only mechanical;
- DC 5 - 15 brake adjustable, brake assignment partly differs from DC-Pro standard.

1) Larger hook paths on request.  
2) See Electric key data page for key motor data.  
3) 2m+ corresponds to 1900 hours at full load.  
4) Chain drive FEM 1Cm according to EN 818-7  
5) Chain drive FEM 1Am according to EN 818-7  
6) Chain drive FEM 1Bm according to EN 818-7



Travel against the upper/lower limit position in normal operation and tripping of the slipping clutch caused by this is not permitted. If it is necessary to approach the upper limit position in normal operation, the chain hoist must be tted with an operating limit switch.