

Soft Starter DS6

Features, assigned switching and protective equipment

Type	Assigned motor rating		Rated current ①		Protective device ②	Mains contactor ③	Overload relay ④
	400 V [kW]	460 V [HP]	DS6 [A]	Motor [A]			
DS6-340-22K-MX	18.5	25	41	36	NZMN1-M40	DIL M40	ZB65-40 + ZB65-XEZ
DS6-340-22K-MX	22	30	41	41	NZMN1-M50	DIL M50	ZB65-40 + ZB65-XEZ
DS6-340-30K-MX	30	40	55	55	NZMN1-M63	DIL M65	ZB65-57 + ZB65-XEZ
DS6-340-37K-MX	37	50	68	68	NZMN1-M80	DIL M80	ZB-150-70/KK
DS6-340-45K-MX	45	60	81	81	NZMN1-M100	DIL M95	ZB-150-100/KK
DS6-340-55K-MX	55	75	99	99	NZMN1-M100	DIL M115	ZB-150-100/KK
DS6-340-75K-MX	75	100	135	134	NZMN2-M160	DIL M150	ZB-150-150/KK
DS6-340-90K-MX	90	125	160	160	NZMN2-M200	DIL M185	Z5-160/FF250
DS6-340-110K-MX	110	150	200	196	NZMN2-M200	DIL M225	Z5-220/FF250

① Rated current, relevant to the assigned motor rating at 400 V

② Required protective device for the contactor and motor protection at the stated load cycle (3-fold starting current for 5 seconds at 360 seconds time interval between starts)

③ Mains contactor (optional). Note: According to DIN VDE 0100 a circuit-breaker (or another disconnecting device, which conforms to the conditions of this standard) causes a separation from the electrical power networks. Mains contactors and soft starters fulfil the conditions for operational switching, however, not the conditions for isolation according to DIN VDE 0100.

④ Overload relay (optional). Note: If fusing on the mains side is applied instead of the circuit-breaker (NZM), the motor protection is provided by an overload relay (ZB, Z5) which is separately installed. If a mains contactor is used, the overload relay can be installed directly and connected on the mains contactor (equivalent type without separate mounting).