PSR — The compact range

	PSR3 ... PSR16					PSR25 ... PSR30		PSR37 ... PSR45		PSR60 ... PSR105			
Normal start In-Line connected	**PSR3**	**PSR6**	**PSR9**	**PSR12**	**PSR16**	**PSR25**	**PSR30**	**PSR37**	**PSR45**	**PSR60**	**PSR72**	**PSR85**	**PSR105**
(400 V) kW	1.5	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55
IEC, Max. A	3.9	6.8	9	12	16	25	30	37	45	60	72	85	105
(440-480 V) hp	2	3	5	7.5	10	15	20	25	30	40	50	60	75
UL, Max. A	3.4	6.1	9	11	15.2	24.2	28	34	46.2	59.4	68	80	104
	400 V, 40 °C												
Using manual motor starter or MCCB, type 1 coordination will be achieved.	Manual motor starters (50 kA)												
	MS116			MS132				MS450		MS495		–	
Using gG fuses, type 1 coordination will be achieved. To achieve type 2 coordination, semiconductor fuses must be used.	Fuse protection (50 kA) gG Fuse												
	10 A	16 A	25 A	32 A		50 A	63 A	100 A	125 A		200 A	250 A	
Suitable switch fuse for the recommended gG fuses or semiconductor fuses.	Switch fuse												
	OS32GD							OS125GD			OS250GD		
The line contactor is not required for the softstarter itself but often used to open if OL trips	Line contactor												
	AF9			AF12	AF16	AF26	AF30	AF38	A50	A63	A75	A95	A110
Overload protection is always required to protect the motor	Thermal overload relay												
	TF42DU									TA75DU		TA110DU	
Using by-pass will reduce the power loss and allow more starts per hour	By-pass												
	Built-in												

Quick guide for selection	
Normal start Class 10	**Heavy duty start class 30**
• Bow thruster	• Centrifugal fan
• Centrifugal pump	• Crusher
• Compressor	• Conveyor belt (long)
• Conveyor belt (short)	• Mill
• Elevator	• Mixer
• Escalator	• Stirrer
Select size according to the motor kW ratings	Select one size larger softstarter compared to the motor kW ratings
If more than 10 starts/h ! Select <u>one</u> size larger than the standard selection	

PSR

LED indications:
- On/Ready
- Run/Top of ramp

Three potentiometers for settings:
-Start ramp (1–20 sec)
-Stop ramp (0–20 sec)
-Initial voltage (40–70 % of U_e)
(also set “end voltage”)

Built-in signal relays for
Run (PSR3 ... 105) and
TOR (PSR25 ... 105)