

Type PSR Softstarters

ABB Softstarters Type PSR



6

General information

Designed for motor currents from 3 to 45 A, PSR Softstarters complement the existing advanced PST Softstarters for 30 - 1050 A and the flexible PSS Softstarters for 30 - 1050 A. The PSR Softstarter is compact and easily accessible for installation in places where space is limited.

The PSR range comprises three physical sizes with widths from 45 to 54mm, covers rated currents from 3 to 45 A and is available for supply voltages of 24 VDC or 100-240 VAC. All sizes include a Run signal relay while sizes from 25 A also have an output signal for TOR (Top of Ramp, i.e., full voltage).

Cooling function

With standard performance, the PSR Softstarters handle ten starts per hour. When an auxiliary cooling fan is added, the starting capacity is increased to 20 starts per hour.

Installation

The PSR Softstarter is easy to set and operate thanks to the clearly marked settings. All terminals are distinctly marked and easily accessible for cable connection. Both screw and DIN rail mounting are possible.

Flexible communication

PSR can also be remote controlled by bus communication using ABB's FieldBusPlug. The FieldBusPlug accessories are available for several protocols such as Profibus DP and Device Net.

The PSR Softstarter is ideal for the replacement of DOL starters and for installation in places with limited space.

Open PSR Open type

6



Type PSR16-600-70



Type PSR30-600-70



Type PSR45-600-70

PSR Open type

Connected In-Line Catalog number	Maximum motor current		Maximum horsepower			
	UL	IEC	208V	240V	480V	600V
PSR3-600-70 PSR3-600-81	3.4	3.9	0.5	0.75	2	2
PSR6-600-70 PSR6-600-81	6.1	6.8	1	1.5	3	5
PSR9-600-70 PSR9-600-81	9.0	9.0	2	2	5	7.5
PSR12-600-70 PSR12-600-81	11.0	12.0	3	3	7.5	10
PSR16-600-70 PSR16-600-81	15.2	16.0	3	5	10	10
PSR25-600-70 PSR25-600-81	24.2	25.0	7.5	7.5	15	20
PSR30-600-70 PSR30-600-81	28.0	30.0	7.5	10	20	25
PSR37-600-70 PSR37-600-81	34.0	37.0	10	10	25	30
PSR45-600-70 PSR45-600-81	46.2	45.0	15	15	30	40

Catalog number explanation

PSR3 - 600 - 70

Maximum motor current
when connected in-line

Line voltage
208V - 600 VAC

Control voltage
70 = 100 - 240 VAC
81 = 24 VDC