

# PSE – The efficient range

## Overview

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Normal start In-line connected	PSE18	PSE25	PSE30	PSE37	PSE45	PSE60	PSE72	PSE85	PSE105
(400 V) kW	7.5	11	15	18.5	22	30	37	45	55
IEC, max. A	18	25	30	37	45	60	72	85	106
(440-480 V) hp	10	15	20	25	30	40	50	60	75
UL, max. FLA	18	25	28	34	42	60	68	80	104
<b>UL coordination</b>	<b>600 V, 40 °C</b>								
J-type fuses for UL coordination <sup>1)</sup>	<b>Max fuse J-type (85 kA)</b>								
	J-40	J-50	J-60	J-80	J-100	J-125	J-150	J-175	J-225
	<b>UL circuit breaker 480VAC (65 kA)</b>								
UL listed circuit breaker <sup>1)</sup>	T4H250								
<b>IEC coordination</b>	<b>400 V, 40 °C</b>								
	<b>MCCB (35 kA)</b>								
Using MCCB only, Type 1 coordination will be achieved. <sup>1)</sup>	XT2N160								
	<b>MCCB (50 kA)</b>								
	XT2S160								
To achieve Type 2 coordination, semiconductor fuses must be used. <sup>1)</sup>	<b>Fuse protection (85 kA), Semiconductor fuses, Bussmann</b>								
	170M1563	170M1564	170M1566	170M1567	170M1568	170M1569	170M1571	170M1572	170M3819
Suitable switch fuse for recommended semiconductor fuses. <sup>1)</sup>	<b>Switch fuse</b>								
	OS32GD			OS63GD			OS125GD		OS250D
The line contactor is not required for the softstarter itself but often used to open if OL trips. <sup>1)</sup>	<b>Line contactor</b>								
	AF26		AF30	AF38	AF52	AF65	AF80	AF96	AF116

<sup>1)</sup> This is an example of coordination. For more examples see: [applications.it.abb.com/SOC](http://applications.it.abb.com/SOC).

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Normal start In-line connected	PSE142	PSE170	PSE210	PSE250	PSE300	PSE370
(400 V) kW	75	90	110	132	160	200
IEC, max. A	143	171	210	250	300	370
(440-480 V) hp	100	125	150	200	250	300
UL, max. FLA	130	169	192	248	302	361
<b>UL coordination</b>	<b>600 V, 40 °C</b>					
J-type fuses for UL coordination <sup>1)</sup>	<b>Max fuse J-type (85 kA)</b>					
	J-300	J-350	J-450	J-500		J-600
	<b>UL circuit breaker 480VAC (65 kA)</b>					
UL listed circuit breaker <sup>1)</sup>	T5L400			T5H600		
<b>IEC coordination</b>	<b>400 V, 40 °C</b>					
	<b>MCCB (35 kA)</b>					
Using MCCB only, Type 1 coordination will be achieved. <sup>1)</sup>	XT2N160		T4N320	T5N400		T5N630
	<b>MCCB (50 kA)</b>					
	XT2S160	XT4S250	T4S320	T5S400		T5S630
To achieve Type 2 coordination, semiconductor fuses must be used. <sup>1)</sup>	<b>Fuse protection (85kA), Semiconductor fuses, Bussmann</b>					
	170M5809	170M5810	170M5812	170M5813	170M6812	170M6813
Suitable switch fuse for recommended semiconductor fuses. <sup>1)</sup>	<b>Switch fuse</b>					
	OS400D				OS630D	
The line contactor is not required for the softstarter itself but often used to open if OL trips <sup>1)</sup>	<b>Line contactor</b>					
	AF140	AF190	AF205	AF265	AF305	AF370

<sup>1)</sup> This is an example of coordination. For more examples see: [applications.it.abb.com/SOC](http://applications.it.abb.com/SOC).