

WEG Automation Catalog

Motors
Automation
Energy
Transmission & Distribution

06. Enclosed Starters (ESW, PESW, ESWC, ESWE, ESWF, and ESWX series)

Enclosed Starters

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Enclosed Starters

Operation and Protection of Motors up to 600Hp at 460Vac (800A)

WEG enclosed starters series were designed to meet the requirements and flexibility frequently demanded in industrial applications. Featuring components that meet IEC design standards and UL horsepower ratings, WEG enclosed starters are UL508A approved and cULus certified. This means your panels will fulfill the rigorous requirements of UL508A and will have the quality and performance as for all WEG products

Standard or Custom

By having most of the processes in WEG facilities, we can manufacture not only the enclosed starters listed on this catalog, but also any other custom panel your application may require. Our Engineers will work together with you to provide the perfect solution for your application.



Perfect Solution

WEG offers options for both: Full Voltage Non-Reversing Non-Combination Starters and Full Voltage Non-Reversing Combination Starters up to 250Hp at 460Vac.

WEG's UL508A panel shops can manufacture any configuration of Non-Combination or Combination Starters for any low voltage horsepower ratings. Some examples are listed below:

- Enclosed Contactors
- Full Voltage Reversing Starters
- Reduced Voltage Magnetic Starters
(Part-Winding, Wye-Delta)
- Reduced Voltage Solid-State Starters
- Multi-Speed Starters
- Explosion Proof Starters

Whenever you need a reliable product to control & protect your application, WEG field specialists can help you find the best solution.

New Concepts

Smaller size components allow selection of smaller enclosures which translates to cost savings. A wide range of ratings and frames allow the components to be more closely matched to your application. Our overload relays provide phase loss sensitivity, ambient temperature compensated for -4°F to $+140^{\circ}\text{F}$ (eliminating the need for additional heaters), and automatic reset for remote applications.










A wide range of industrial applications are covered: Pumps, Industrial Washing Machines, Compressors, Blowers, Cutting Machines, Conveyors, Lumber Processing and many others.

Enclosed Starters

Non-Combination Starters

Product Line Overview

NON-COMBINATION STARTERS

Type		ESW	PESW	ESWX-M16	ESWX-M	ESWX
						
Maximum Horsepower Rating at 460Vac 60Hz	[Hp]	75	75	10	75	75
Maximum Rated Current I _{max} (I _u)	[A]	105	105	16	100	105
Rated Operational Voltage	[V]	600	600	600	600	600
Enclosure Type		Metallic Type 1	Non-Metallic Type 4X	Cast Aluminum NEMA 7/9 NEMA 4X	Cast Aluminum Type 7/9	Cast Aluminum Type 7/9
Protections provided						
Motor Disconnect				✓	✓	
Motor Branch Short Circuit				✓	✓	
Motor Controller		✓	✓	✓	✓	✓
Motor Overload		✓	✓	✓	✓	✓
Accessories						
Pushbuttons		N/A	N/A	N/A	N/A	
Pilot light		N/A	N/A	N/A	N/A	
Emergency Stop		N/A	N/A	N/A	N/A	
Selector Switch		N/A	N/A	N/A	N/A	
Control Transformer		N/A	N/A	N/A	N/A	(available as an option)
Timing Relays (RTW17 Series)		N/A	N/A	N/A	N/A	(available as an option)
Protector Relay (RMW17 Series)		N/A	N/A	N/A	N/A	(available as an option)
Level Relay (RNW Series)		N/A	N/A	N/A	N/A	(available as an option)

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction




Appendix A

Appendix B












Appendix C

Product Line Overview

COMBINATION STARTERS

Type	ESWC	ESWE	ESWF
			
Maximum Horsepower Rating at 460Vac 60Hz [Hp]	250	20	75
Maximum Rated Current I _{max} (I _u) [A]	300	32	105
Rated Operational Voltage [V]	600	600	600
Enclosure Type	Metallic Type 1 Type 3R Type 4 / 12	Non-Metallic Type 4X	Metallic Type 4 / 12
Protections provided			
Motor Disconnect	✓	✓	✓
Motor Branch Short Circuit	✓	✓	✓
Motor Controller	✓	✓	✓
Motor Overload	✓	✓	✓

Accessories

Pushbuttons		
Pilot light		
Emergency Stop		
Selector Switch		
Control Transformer	(available as an option)	(available as an option)
Timing Relays (RTW17 Series)	(available as an option)	
Protector Relay (RMW17 Series)	(available as an option)	
Level Relay (RNW Series)	(available as an option)	

- General Information
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- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
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Enclosed Starters

Non-Combination Starters

ESW/PESW



UL File No. E202315

WEG offers non-reversing and non-combination magnetic starters up to 75HP at 460Vac (105A). Featuring components that meet IEC design standards and UL horsepower ratings, incorporating WEG contactors and overload relays, the magnetic starters are ideal to protect and operate motors, ensuring smooth operation year-after year.

Three series are available:

- Metallic Type 1 – ESW Series
- Non-Metallic Type 4X – PESW Series
- Cast Aluminum NEMA 4X/7/9 - ESWX Series

WEG ESW and PESW starters are pre-wired from the factory and recommended for all single and three phase applications where magnetic starters can be applied.

Standard Features

- High horsepower ratings in four compact sizes
- Fast acceleration and high initial torque
- Bimetallic Overload Relays – class 10
- Adjustable trip current
- Ambient temperature compensated
- Phase-loss sensitivity protection
- Selectable Manual or Automatic RESET
- Electrically isolated NO-NC auxiliary contacts
- Easy to install and setup

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C

ESW Part Number Breakdown

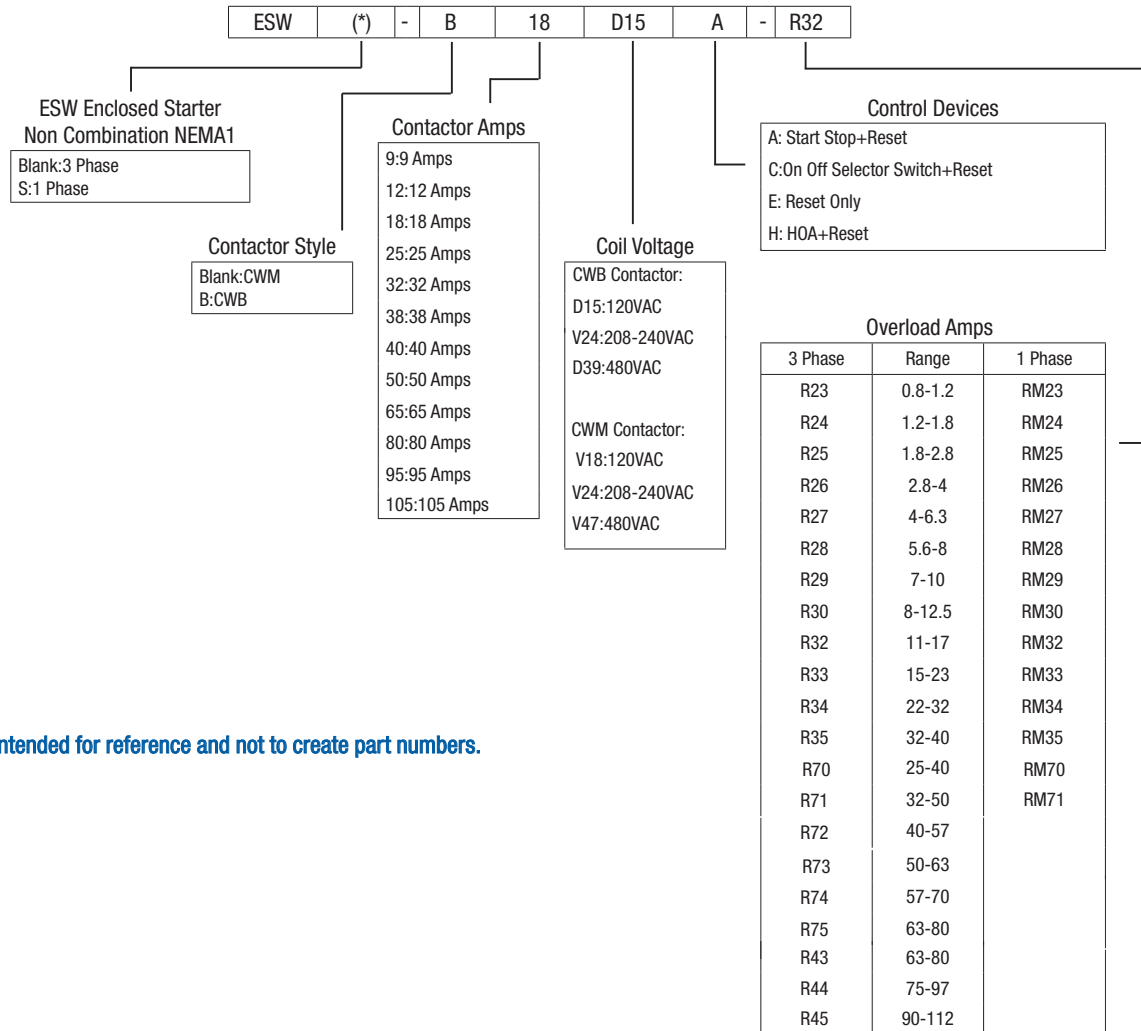


Table Intended for reference and not to create part numbers.

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
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PESW

PESW Part Number Breakdown

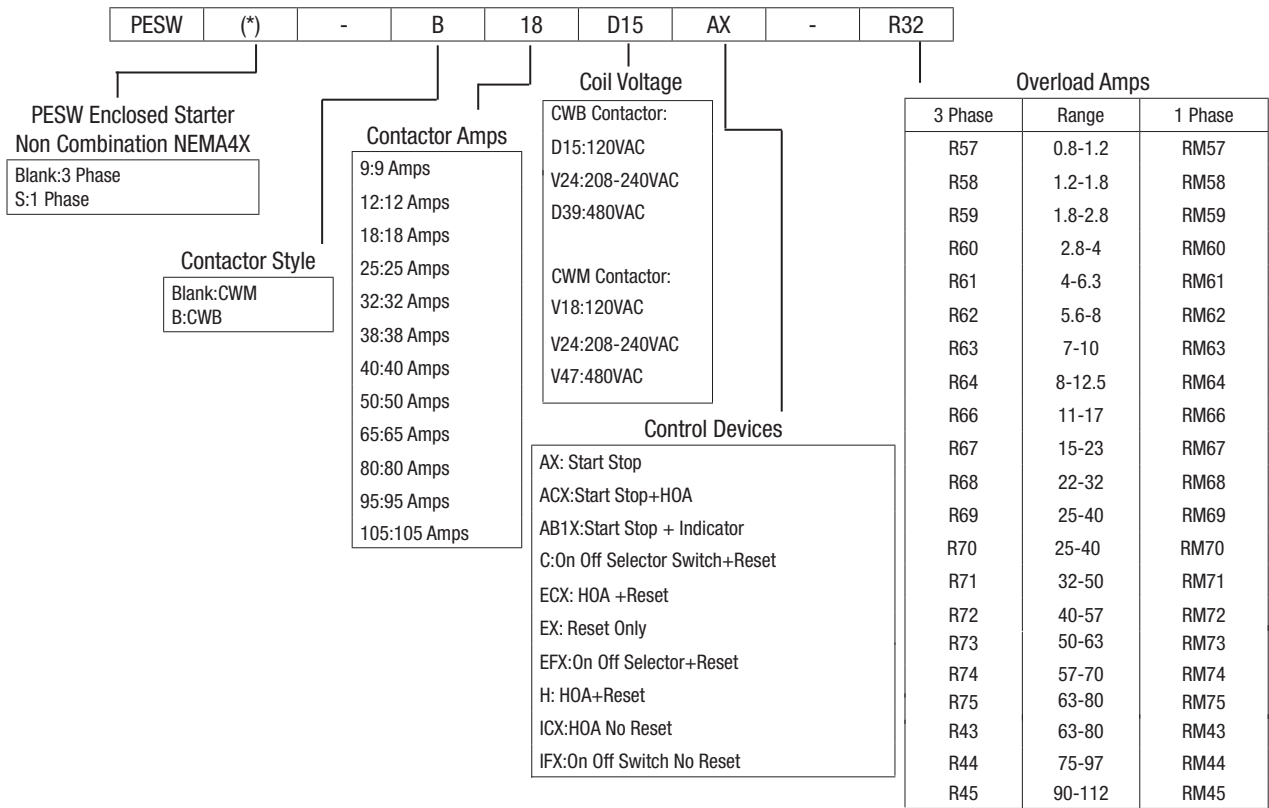


Table Intended for reference and not to create part numbers.

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
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NEMA 1 Enclosure – Three Phase

ESW Series - Non-combination Across The Line Starter Three -Phase - Enclosure Type-1

Max. UL Horsepower				Box	Setting Range(A)	Coil Voltage (V)	RESET only		START/STOP + RESET		Multiplier New(Old)
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	-	1/2	1/2	M04	0.8 - 1.2	120	ESW-B9D15E-R23	\$157	ESW-B9D15A-R23	\$210	Z3E (Z3)
						208-240	ESW-B9V24E-R23		ESW-B9V24A-R23		
						480	ESW-B9D39E-R23		ESW-B9D39A-R23		
-	-	3/4	1	M04	1.2 - 1.8	120	ESW-B9D15E-R24	\$157	ESW-B9D15A-R24	\$210	
						208-240	ESW-B9V24E-R24		ESW-B9V24A-R24		
						480	ESW-B9D39E-R24		ESW-B9D39A-R24		
1/2	1/2	1	2	M04	1.8 - 2.8	120	ESW-B9D15E-R25	\$157	ESW-B9D15A-R25	\$210	
						208-240	ESW-B9V24E-R25		ESW-B9V24A-R25		
						480	ESW-B9D39E-R25		ESW-B9D39A-R25		
3/4	3/4	2	3	M04	2.8 - 4.0	120	ESW-B9D15E-R26	\$157	ESW-B9D15A-R26	\$210	
						208-240	ESW-B9V24E-R26		ESW-B9V24A-R26		
						480	ESW-B9D39E-R26		ESW-B9D39A-R26		
1	1-1/2	3	5	M04	4.0 - 6.3	120	ESW-B9D15E-R27	\$157	ESW-B9D15A-R27	\$210	
						208-240	ESW-B9V24E-R27		ESW-B9V24A-R27		
						480	ESW-B9D39E-R27		ESW-B9D39A-R27		
2	2	5	5	M04	5.6 - 8.0	120	ESW-B9D15E-R28	\$157	ESW-B9D15A-R28	\$210	
						208-240	ESW-B9V24E-R28		ESW-B9V24A-R28		
						480	ESW-B9D39E-R28		ESW-B9D39A-R28		
2	3	5	7-1/2	M04	7.0 - 10	120	ESW-B9D15E-R29	\$157	ESW-B9D15A-R29	\$210	
						208-240	ESW-B9V24E-R29		ESW-B9V24A-R29		
						480	ESW-B9D39E-R29		ESW-B9D39A-R29		
3	3	7-1/2	10	M04	8.0 - 12.5	120	ESW-B12D15E-R30	\$174	ESW-B12D15A-R30	\$227	
						208-240	ESW-B12V24E-R30		ESW-B12V24A-R30		
						480	ESW-B12D39E-R30		ESW-B12D39A-R30		
3	5	10	15	M04	11 - 17	120	ESW-B18D15E-R32	\$188	ESW-B18D15A-R32	\$241	
						208-240	ESW-B18V24E-R32		ESW-B18V24A-R32		
						480	ESW-B18D39E-R32		ESW-B18D39A-R32		
5	7-1/2	15	15	M04	15 - 23	120	ESW-B25D15E-R33	\$223	ESW-B25D15A-R33	\$276	
						208-240	ESW-B25V24E-R33		ESW-B25V24A-R33		
						480	ESW-B25D39E-R33		ESW-B25D39A-R33		
10	10	20	25	M04	22 - 32	120	ESW-B32D15E-R34	\$245	ESW-B32D15A-R34	\$298	
						208-240	ESW-B32V24E-R34		ESW-B32V24A-R34		
						480	ESW-B32D39E-R34		ESW-B32D39A-R34		
10	-	25	-	M04	32 - 40	120	ESW-B38D15E-R35	\$292	ESW-B38D15A-R35	\$345	
						208-240	ESW-B38V24E-R35		ESW-B38V24A-R35		
						480	ESW-B38D39E-R35		ESW-B38D39A-R35		
10	10	20	25	M06	25 - 40	120	ESW-B40D15E-R70	\$336	ESW-B40D15A-R70	\$385	
						208-240	ESW-B40V24E-R70		ESW-B40V24A-R70		
						480	ESW-B40D39E-R70		ESW-B40D39A-R70		
10	15	30	40	M06	32 - 50	120	ESW-B50D15E-R71	\$350	ESW-B50D15A-R71	\$403	
						208-240	ESW-B50V24E-R71		ESW-B50V24A-R71		
						480	ESW-B50D39E-R71		ESW-B50D39A-R71		
15	20	40	50	M06	40 - 57	120	ESW-B65D15E-R72	\$375	ESW-B65D15A-R72	\$428	
						208-240	ESW-B65V24E-R72		ESW-B65V24A-R72		
						480	ESW-B65D39E-R72		ESW-B65D39A-R72		
15	20	40	50	M06	50 - 63	120	ESW-B65D15E-R73	\$400	ESW-B65D15A-R73	\$450	
						208-240	ESW-B65V24E-R73		ESW-B65V24A-R73		
						480	ESW-B65D39E-R73		ESW-B65D39A-R73		
20	25	50	-	M06	57 - 70	120	ESW-B80D15E-R74	\$421	ESW-B80D15A-R74	\$474	
						208-240	ESW-B80V24E-R74		ESW-B80V24A-R74		
						480	ESW-B80D39E-R74		ESW-B80D39A-R74		
-	25	50	-	M06	63 - 80	120	ESW-B80D15E-R75	\$448	ESW-B80D15A-R75	\$498	
						208-240	ESW-B80V24E-R75		ESW-B80V24A-R75		
						480	ESW-B80D39E-R75		ESW-B80D39A-R75		
25	30	60	75	M08	63 - 80	120	ESW-95V18E-R43	\$876	ESW-95V18A-R43	\$929	
						208-240	ESW-95V24E-R43		ESW-95V24A-R43		
						480	ESW-95V47E-R43		ESW-95V47A-R43		
30	30	75	75	M08	75 - 97	120	ESW-105V18E-R44	\$975	ESW-105V18A-R44	\$1,028	
						208-240	ESW-105V24E-R44		ESW-105V24A-R44		
						480	ESW-105V47E-R44		ESW-105V47A-R44		
30	40	75	-	M08	90 - 112	120	ESW-105V18E-R45	\$975	ESW-105V18A-R45	\$1,028	
						208-240	ESW-105V24E-R45		ESW-105V24A-R45		
						480	ESW-105V47E-R45		ESW-105V47A-R45		

Notes:

- Please contact your local WEG representative for starters with other control voltage.
- 3-phase starters can be wired for single-phase applications (see page 276 for single phase conversion diagram)

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
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- Appendix C

Enclosed Starters



ESW/ESWS

NEMA 1 Enclosure – Single Phase



ESWS Series - Non-combination Across The Line Starter - Non Reversing Single Phase - Enclosure Type-1

Max. UL Horsepower	Box	Setting Range (A)	Coil Voltage (V)	RESET only		Start Stop Reset		Multiplier New(Old)	
				Catalog Number	List Price	Catalog Number	List Price		
115V	230V								
-	-	M04	0.8-1.2	120	ESWS-B9D15E-RM23	\$135	ESWS-B9D15A-RM23	\$188	Z3E (Z3)
			208-240	ESWS-B9V24E-RM23	ESWS-B9V24A-RM23				
-	1/10	M04	1.2-1.8	120	ESWS-B9D15E-RM24	\$135	ESWS-B9D15A-RM24	\$188	
			208-240	ESWS-B9V24E-RM24	ESWS-B9V24A-RM24				
-	1/6	M04	1.8-2.8	120	ESWS-B9D15E-RM25	\$135	ESWS-B9D15A-RM25	\$188	
			208-240	ESWS-B9V24E-RM25	ESWS-B9V24A-RM25				
1/8	1/3	M04	2.8 - 4.0	120	ESWS-B9D15E-RM26	\$135	ESWS-B9D15A-RM26	\$188	
			208-240	ESWS-B9V24E-RM26	ESWS-B9V24A-RM26				
1/4	1/2	M04	4.0 - 6.3	120	ESWS-B9D15E-RM27	\$135	ESWS-B9D15A-RM27	\$188	
			208-240	ESWS-B9V24E-RM27	ESWS-B9V24A-RM27				
1/3	1	M04	5.6 - 8.0	120	ESWS-B9D15E-RM28	\$135	ESWS-B9D15A-RM28	\$188	
			208-240	ESWS-B9V24E-RM28	ESWS-B9V24A-RM28				
1/2	1-1/2	M04	7.0 - 10	120	ESWS-B9D15E-RM29	\$135	ESWS-B9D15A-RM29	\$188	
			208-240	ESWS-B9V24E-RM29	ESWS-B9V24A-RM29				
1/2	2	M04	8.0 - 12.5	120	ESWS-B12D15E-RM30	\$135	ESWS-B12D15A-RM30	\$227	
			208-240	ESWS-B12V24E-RM30	ESWS-B12V24A-RM30				
3/4	2	M04	10-15	120	ESWS-B18D15E-RM31	\$161	ESWS-B18D15A-RM31	\$241	
			208-240	ESWS-B18V24E-RM31	ESWS-B18V24A-RM31				
1	3	M04	11 - 17	120	ESWS-B18D15E-RM32	\$170	ESWS-B18D15A-RM32	\$241	
			208-240	ESWS-B18V24E-RM32	ESWS-B18V24A-RM32				
1-1/2	3	M04	15 -23	120	ESWS-B25D15E-RM33	\$180	ESWS-B25D15A-RM33	\$276	
			208-240	ESWS-B25V24E-RM33	ESWS-B25V24A-RM33				
2	5	M04	22 -32	120	ESWS-B32D15E-RM34	\$230	ESWS-B32D15A-RM34	\$276	
			208-240	ESWS-B32V24E-RM34	ESWS-B32V24A-RM34				
3	7-1/2	M04	32-40	120	ESWS-B38D15E-RM35	\$274	ESWS-B38D15A-RM35	\$327	
			208-240	ESWS-B38V24E-RM35	ESWS-B38V24A-RM35				
3	7-1/2	M06	25 - 40	120	ESWS-B40D15E-RM70	\$312	ESWS-B40D15A-RM70	\$394	
			208-240	ESWS-B40V24E-RM70	ESWS-B40V24A-RM70				
3	10	M06	32 - 50	120	ESWS-B50D15E-RM71	\$330	ESWS-B50D15A-RM71	\$423	
			208-240	ESWS-B50V24E-RM71	ESWS-B50V24A-RM71				

Notes:

- OLR must be set at 115% of motor FLA
- ESWS - Single-phase version - assembled with 2 pole contactor and 2 pole overload relays

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

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Appendix C

Field Mod Kits for ESW/ESWS Series

Accessories	Field Kit Modifications					
	Description	Structure		Catalog Number	List Price	Multiplier New(Old)
		Top	Bottom			
No Pilot Device Metal Brackets - 2 x 22mm holes w/ plugs	PLUG	PLUG	KESWPP	\$25	Z3E (Z3)	
Start / Stop Pushbutton	PLUG	START - STOP	KESWPS	\$74.50		
Hand-Off-Auto Selector Switch	HAND - OFF - AUTO	PLUG	KESWHP	\$74.50		
Off-On Selector Switch	OFF - ON	PLUG	KESWFP	\$74.50		
E-stop	PLUG	E-STOP	KESWPE	\$74.50		



KESWPP



KESWPS



KESWHP



KESWFP

General Information

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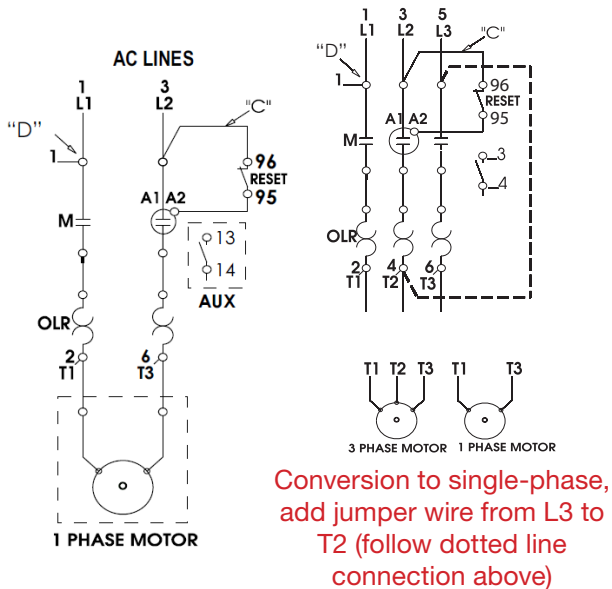
Appendix A

Appendix B

Appendix C

WIRING DIAGRAM

Single-phase Starter Three-phase Starter

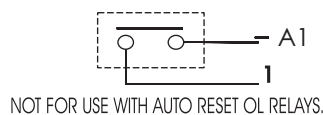


Separate Control

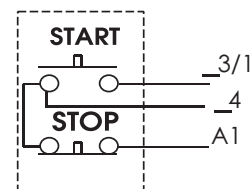
FOR SEPARATE CONTROL, REMOVE WIRES "C" AND "D" IF SUPPLIED AND CONNECT SEPARATE CONTROL LINES TO TERMINAL N° 96 ON THE OVERLOAD RELAY AND TO TERMINAL N° _3 ON THE AUX. CONTACT BLOCK (FOR 3 WIRE CONTROL) OR TO THE CONTACTOR COIL N° A1 (FOR 2 WIRE CONTROL).

Pilot Devices

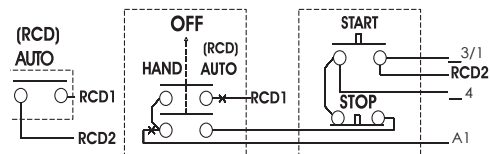
2 Wire Control



3 Wire Control



Hand-Off Auto Wire Control (For ESW Series Only)



DIMENSIONS

Provision for cable gland fitting	Standard			
	Top	Bottom	Side	Back
Box M04	2x (½" or ¾")	2x (½" or ¾")	4x (½" or ¾")	2x (½" or ¾")
	1x (¾" or 1")	1x (¾" or 1")	-	-
Box M06	1x (½" or ¾")	1x (½" or ¾")	3x (½" or ¾")	-
	2x (1" or 1-1/4")	2x (1" or 1-1/4")	4x (1" or 1-1/4")	-
Box M08	1x (1")	1x (1")	1x (1")	1x (1")
	1x (1-1/2")	1x (1-1/2")	4x (¾")	-

Dimensions (approx. inches)				
Enclosed Starters	Enclosure Size			
	BOX	H	W	D
ESW(S)-B9, B12, B18, B25, B32, B38	M04	9.5	5.5	5.0
ESW(S)-B40, B50, B65, B80	M06	13.0	7.5	5.6
ESW 95, 105	M08	17.8	9.5	6.7





PESW Series - Non-combination Across the line starter Three-Phase Enclosure Type - 4X

Max. UL Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START/STOP + RESET		Multiplier New(Old)
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	-	1/2	1/2	05	0.8 - 1.2	120	PESW-B9D15EX-R57	\$157	PESW-B9D15AX-R57	\$210	Z3P (Z3)
						208-240	PESW-B9V24EX-R57		PESW-B9V24AX-R57		
						480	PESW-B9D39EX-R57		PESW-B9D39AX-R57		
-	-	3/4	1	05	1.2 - 1.8	120	PESW-B9D15EX-R58	\$157	PESW-B9D15AX-R58	\$210	
						208-240	PESW-B9V24EX-R58		PESW-B9V24AX-R58		
						480	PESW-B9D39EX-R58		PESW-B9D39AX-R58		
1/2	1/2	1	2	05	1.8 - 2.8	120	PESW-B9D15EX-R59	\$157	PESW-B9D15AX-R59	\$210	
						208-240	PESW-B9V24EX-R59		PESW-B9V24AX-R59		
						480	PESW-B9D39EX-R59		PESW-B9D39AX-R59		
3/4	3/4	2	3	05	2.8 - 4.0	120	PESW-B9D15EX-R60	\$157	PESW-B9D15AX-R60	\$210	
						208-240	PESW-B9V24EX-R60		PESW-B9V24AX-R60		
						480	PESW-B9D39EX-R60		PESW-B9D39AX-R60		
1	1-1/2	3	5	05	4.0 - 6.3	120	PESW-B9D15EX-R61	\$157	PESW-B9D15AX-R61	\$210	
						208-240	PESW-B9V24EX-R61		PESW-B9V24AX-R61		
						480	PESW-B9D39EX-R61		PESW-B9D39AX-R61		
2	2	5	5	05	5.6 - 8.0	120	PESW-B9D15EX-R62	\$157	PESW-B9D15AX-R62	\$210	
						208-240	PESW-B9V24EX-R62		PESW-B9V24AX-R62		
						480	PESW-B9D39EX-R62		PESW-B9D39AX-R62		
2	3	5	7-1/2	05	7.0 - 10	120	PESW-B9D15EX-R63	\$157	PESW-B9D15AX-R63	\$210	
						208-240	PESW-B9V24EX-R63		PESW-B9V24AX-R63		
						480	PESW-B9D39EX-R63		PESW-B9D39AX-R63		
3	3	7-1/2	10	05	8.0 - 12.5	120	PESW-B12D15EX-R64	\$174	PESW-B12D15AX-R64	\$227	
						208-240	PESW-B12V24EX-R64		PESW-B12V24AX-R64		
						480	PESW-B12D39EX-R64		PESW-B12D39AX-R64		
3	5	10	15	05	11 - 17	120	PESW-B18D15EX-R66	\$188	PESW-B18D15AX-R66	\$241	
						208-240	PESW-B18V24EX-R66		PESW-B18V24AX-R66		
						480	PESW-B18D39EX-R66		PESW-B18D39AX-R66		
5	7-1/2	15	15	05	15 - 23	120	PESW-B25D15EX-R67	\$223	PESW-B25D15AX-R67	\$276	
						208-240	PESW-B25V24EX-R67		PESW-B25V24AX-R67		
						480	PESW-B25D39EX-R67		PESW-B25D39AX-R67		
10	10	20	25	05	22 - 32	120	PESW-B32D15EX-R68	\$262	PESW-B32D15AX-R68	\$298	
						208-240	PESW-B32V24EX-R68		PESW-B32V24AX-R68		
						480	PESW-B32D39EX-R68		PESW-B32D39AX-R68		
10	--	25	--	05	32-40	120	PESW-B38D15EX-R69	\$321	PESW-B38D15AX-R69	\$345	
						208-240	PESW-B38V24EX-R69		PESW-B38V24AX-R69		
						480	PESW-B38D39EX-R69		PESW-B38D39AX-R69		

continued on next page

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

PESW

PESW Series - Non-combination Across the line starter - continued Three-Phase Enclosure Type - 4X

	Max. UL Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START/STOP + RESET		Multiplier New (Old)
	200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
Disconnect Switches	10	10	20	25	08	25 - 40	120	PESW-B40D15EX-R70	\$536	PESW-B40D15AX-R70	\$550	Z3P (Z3)
							208-240	PESW-B40V24EX-R70		PESW-B40V24AX-R70		
							480	PESW-B40D39EX-R70		PESW-B40D39AX-R70		
Motor Protectors	10	15	30	40	08	32 - 50	120	PESW-B50D15EX-R71	\$564	PESW-B50D15AX-R71	\$579	
							208-240	PESW-B50V24EX-R71		PESW-B50V24AX-R71		
							480	PESW-B50D39EX-R71		PESW-B50D39AX-R71		
Contactors	15	20	40	50	08	40 - 57	120	PESW-B65D15EX-R72	\$589	PESW-B65D15AX-R72	\$604	
							208-240	PESW-B65V24EX-R72		PESW-B65V24AX-R72		
							480	PESW-B65D39EX-R72		PESW-B65D39AX-R72		
Overloads	20	25	50	-	08	57 - 70	120	PESW-B80D15EX-R74	\$635	PESW-B80D15AX-R74	\$650	
							208-240	PESW-B80V24EX-R74		PESW-B80V24AX-R74		
							480	PESW-B80D39EX-R74		PESW-B80D39AX-R74		
Enclosed Starters	-	25	50	-	08	63-80	120	PESW-B80D15EX-R75	\$665	PESW-B80D15AX-R75	\$680	
							208-240	PESW-B80V24EX-R75		PESW-B80V24AX-R75		
							480	PESW-B80D39EX-R75		PESW-B80D39AX-R75		
Electronic Relays	25	30	60	75	10	63 - 80	120	PESW-95V18EX-R43	\$1,085	PESW-95V18AX-R43	\$1,100	
							208-240	PESW-95V24EX-R43		PESW-95V24AX-R43		
							480	PESW-95V47EX-R43		PESW-95V47AX-R43		
Pushbuttons and Pilot Lights	30	30	75	75	10	75 - 97	120	PESW-105V18EX-R44	\$1,184	PESW-105V18AX-R44	\$1,199	
							208-240	PESW-105V24EX-R44		PESW-105V24AX-R44		
							480	PESW-105V47EX-R44		PESW-105V47AX-R44		
Terminal Blocks	30	40	75	-	10	90 - 112	120	PESW-105V18EX-R45	\$1,184	PESW-105V18AX-R45	\$1,199	
							208-240	PESW-105V24EX-R45		PESW-105V24AX-R45		
							480	PESW-105V47EX-R45		PESW-105V47AX-R45		

Notes:

- OLR must be set @115% of FLA
- 3-phase starters with 120V coil are wired for separate control
- 3-phase starters can be wired for single-phase applications (see diagram) on page 280

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C

PESWS Series - Non-combination Across the line starter Single Phase- Enclosure Type-4X



Max. UL Horsepower		Box	Setting Range (A)	Coil Voltage (V)	RESET only		START/STOP + RESET		Multiplier New(Old)
115V	230V				Catalog Number	List Price	Catalog Number	List Price	
1/8	1/3	05	2.8 - 4.0	120	PESWS-B9D15EX-RM60	\$140	PESWS-B9D15AX-RM60	\$155	Z3P (Z3)
				208-240	PESWS-B9V24EX-RM60		PESWS-B9V24AX-RM60		
1/4	1/2	05	4.0 - 6.3	120	PESWS-B9D15EX-RM61	\$140	PESWS-B9D15AX-RM61	\$155	
				208-240	PESWS-B9V24EX-RM61		PESWS-B9V24AX-RM61		
1/3	1	05	5.6 - 8.0	120	PESWS-B9D15EX-RM62	\$140	PESWS-B9D15AX-RM62	\$155	
				208-240	PESWS-B9V24EX-RM62		PESWS-B9V24AX-RM62		
1/2	1-1/2	05	7.0 - 10	120	PESWS-B9D15EX-RM63	\$140	PESWS-B9D15AX-RM63	\$155	
				208-240	PESWS-B9V24EX-RM63		PESWS-B9V24AX-RM63		
1/2	2	05	8.0 - 12.5	120	PESWS-B12D15EX-RM64	\$140	PESWS-B12D15AX-RM64	\$155	
				208-240	PESWS-B12V24EX-RM64		PESWS-B12V24AX-RM64		
3/4	2	05	10 - 15	120	PESWS-B18D15EX-RM65	\$161	PESWS-B18D15AX-RM65	\$170	
				208-240	PESWS-B18V24EX-RM65		PESWS-B18V24AX-RM65		
1	3	05	11 - 17	120	PESWS-B18D15EX-RM66	\$170	PESWS-B18D15AX-RM66	\$182	
				208-240	PESWS-B18V24EX-RM66		PESWS-B18V24AX-RM66		
1-1/2	3	05	15 - 23	120	PESWS-B25D15EX-RM67	\$180	PESWS-B25D15AX-RM67	\$195	
				208-240	PESWS-B25V24EX-RM67		PESWS-B25V24AX-RM67		
2	5	05	22 - 32	120	PESWS-B32D15EX-RM68	\$180	PESWS-B32D15AX-RM68	\$195	
				208-240	PESWS-B32V24EX-RM68		PESWS-B32V24AX-RM68		
3	7-1/2	05	32-40	120	PESWS-B38D15EX-RM69	\$274	PESWS-B38D15AX-RM69	\$300	
				208-240	PESWS-B38V24EX-RM69		PESWS-B38V24AX-RM69		
3	7-1/2	08	25 - 40	120	PESWS-B40D15EX-RM70	\$410	PESWS-B40D15AX-RM70	\$418	
				208-240	PESWS-B40V24EX-RM70		PESWS-B40V24AX-RM70		
3	10	08	32 - 50	120	PESWS-B50D15EX-RM71	\$430	PESWS-B50D15AX-RM71	\$440	
				208-240	PESWS-B50V24EX-RM71		PESWS-B50V24AX-RM71		



Notes:

- Overload must be set at 115% of motor FLA.
- PESWS - Single phase version - assembled with 2 pole contactor and 2 pole overload relay.

Accessories - Mounting in Control Stations

Contact Block

Replacement Base Mount Contact Blocks for PESW(S)-B9...38

	Description	Contacts	Diagram	Standard packing	Catalog Number	Price	Multiplier
 0.015 kg	Single contact blocks to mounting in control stations or DIN rail 35 mm	1NO		1 piece	BC10B-CSW	\$5.00	Z5

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

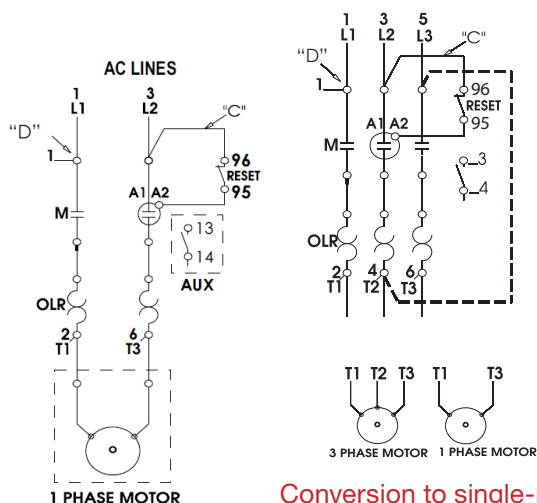
Enclosed Starters

PESW/PESWS

WIRING DIAGRAM

Single-phase Starter

Three-phase Starter



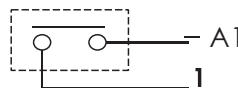
Conversion to single-phase, add jumper wire from L3 to T2 (follow dotted line connection above)

Separate Control

FOR SEPARATE CONTROL, REMOVE WIRES "C" AND "D" IF SUPPLIED AND CONNECT SEPARATE CONTROL LINES TO TERMINAL N° 96 ON THE OVERLOAD RELAY AND TO TERMINAL N° _3 ON THE AUX. CONTACT BLOCK (FOR 3 WIRE CONTROL) OR TO THE CONTACTOR COIL N° A1 (FOR 2 WIRE CONTROL).

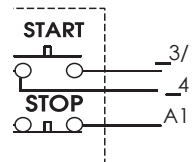
Pilot Devices

2 Wire Control



NOT FOR USE WITH AUTO RESET OL RELAYS.

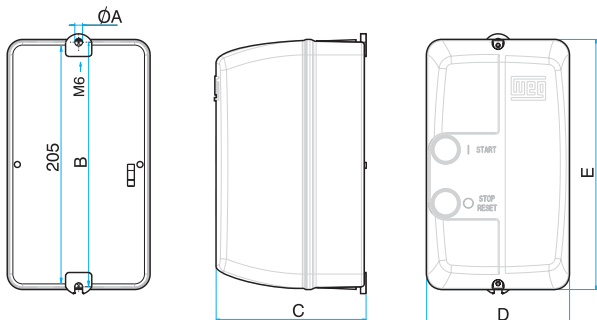
3 Wire Control



DIMENSIONS

SIZE 05 mm(in)	SIZE 08 mm (in)	SIZE 10 mm (in)
øA = 5.5 (0.2165)	øA = 6.0 (0.2)	øA = 7.0 (0.3)
B = 219.0 (8.622)	B = 275 (10.8)	B = 355 (14.0)
C = 112 (4.4331)	C = 143 (5.6)	C = 167 (6.6)
D = 114.0 (4.4882)	D = 180 (7.1)	D = 250 (9.9)
E = 217 (8.5433)	E = 280 (11.0)	E = 360 (14.2)

Provision for cable gland fitting	Standard		
	Top	Bottom	Back
Size 05	2 x 1/2" - 3/4" PG13.5	2 x 1/2" - 3/4" PG13.5	4 X 1/2" PG13.5
Size 08	2 x 3/4" and 1"	2 x 3/4" and 1"	-
Size 10	2 x 3/4" and 1"	2 x 3/4" and 1"	-
	1 x 1" and 1 1/4"	1 x 1" and 1 1/4"	-



For wall mounting on starters size 08 and 10, four screws with the following characteristics should be used:

- Pan, dome or rounded shaped head;
- Starter size 08:
 - Screws size 1/4 (or M6 – ISO Standard);
 - Dimensions: diameter thread shall be maximum 1/4 in and diameter head shall be maximum 15/64 in.
- Starter size 10:
 - Screws size 1/2 (or M5 – ISO Standard);
 - Dimensions: diameter thread shall be maximum 0.236 in and diameter head shall be maximum 0.394 in.

Combination Starters Rotary Breaker Disconnect 0.5 - 250HP @ 480vac

ESWC Series Combination Starters (Three Phase)

High performance and optimized solutions for motor starting and control. WEG offers full voltage non-reversing combination starters, ESWC series, up to 250 HP at 460VAC (300A) with control power transformers for three-phase applications.

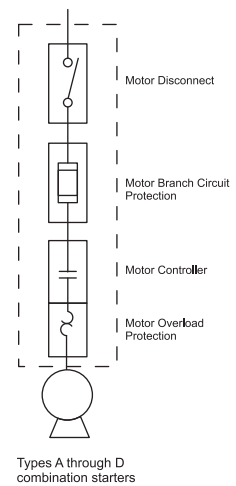
Standard Features

- Multi-Rated Enclosure Type: 1/3R/4/12
- Multi-Voltage Transformer: primary 208V/230V/460V – secondary 120V
- Branch Disconnect: rotary through-the-door handle
- Short-Circuit Protection: molded case circuit breaker
- Motor Control: magnetic IEC contactor
- Overload Protection: solid-state overload relay
 - *Selectable trip class 10, 20, 30
 - *(5:1) ratio adjustable current setting
- Standard Control Devices: RESET, START, STOP, HOA, and RUN LIGHT
- Custom control options available upon request



ESWC PART NUMBER CODE STRING MATRIX

Product Code	Contactor Size	Control Power Transformer (Pri/Sec) ¹	Control Options	Enclosure Type	Electronic Overload Range
ESWC	9 = 9 Amps	TM1 = 208/230/460V-120V ¹	A = RESET, START, STOP	9 = 1/3R/4/12	RE1 = 0.4 - 2.0 Amps
	12 = 12 Amps	T5 = 600V-120V	B = RESET, START, STOP, HOA	0 = 4X SS	RE2 = 1.6 - 8.0 Amps
	18 = 18 Amps		C = RESET, START/STOP SELECTOR		RE3 = 5.0 - 25 Amps
	25 = 25 Amps		D = RESET, STOP		RE4 = 8.0 - 40 Amps
	38 = 38 Amps		E = RESET		RE5 = 14 - 56 Amps
	65 = 65 Amps		I = NONE		RE6 = 28 - 112 Amps
	105 = 105 Amps		J = RESET, START, STOP, RUN LIGHT		RE7 = 50 - 250 Amps
	112 = 112 Amps		K = RESET, START, STOP, HOA, RUN LIGHT		RE8 = 85 - 420 Amps
	150 = 150 Amps		S = RESET, START, HOA		RE9 = 170 - 840 Amps



¹ Wired for 480V primary from the factory. Instructions and fuses provided for 208V - 230V field conversion.

ESWC

ESWC Series – Full Voltage Non-Reversing Combination Starter (Three Phase)

- Branch Disconnect with Rotary Handle
- Reset, Start, Stop, HOA, and Run Light Control available as Options
- Magnetic Contactor and Solid State Overload
- Transformer 208,240 and 480VAC Primary with 120VAC Secondary, 600VAC version also available

ESWC Series – Full Voltage Non-Reversing Combination Starter

FEEDER VOLTAGE	Motor HP Range (HP)	Overload Range (A)	Metallic Enclosure Type 1/3R/4/12			Multiplier New(Old)
			Catalog Number	List Price	Box Size	
208VAC	-	0.4-2.0	ESWC-9TM1K9-RE1	\$2,120	B-1	Z3C (Z3)
240VAC	-					
480VAC	0.5 - 0.75					
600VAC	0.5 - 1					
208VAC	0.5 - 1.5	1.6-8.0	ESWC-9TM1K9-RE2	\$2,120	B-1	
240VAC	0.5 - 2					
480VAC	0.75 - 5					
600VAC	1 - 5					
208VAC	1.5 - 3	5.0-25.0	ESWC-12TM1K9-RE3	\$2,120	B-1	
240VAC	1.5 - 3					
480VAC	5 - 7.5					
600VAC	5 - 10					
208VAC	3 - 5	5.0-25.0	ESWC-18TM1K9-RE3	\$2,170	B-1	
240VAC	3 - 5					
480VAC	7.5 - 10					
600VAC	10 - 15					
208VAC	5 - 7.5	8.0-40.0	ESWC-25TM1K9-RE4	\$2,170	B-1	
240VAC	5 - 7.5					
480VAC	7.5 - 15					
600VAC	15 - 20					
208VAC	7.5 - 10	8.0-40.0	ESWC-38TM1K9-RE4	\$2,355	B-1	
240VAC	7.5 - 10					
480VAC	15 - 25					
600VAC	20 - 30					
208VAC	10 - 20	28-112	ESWC-65TM1K9-RE6	\$2,652	B-1	
240VAC	10 - 20					
480VAC	25 - 40					
600VAC	30 - 60					
208VAC	20 - 30	28-112	ESWC-105TM1K9-RE6	\$3,455	B-2	
240VAC	20 - 30					
480VAC	40 - 75					
600VAC	50 - 100					
208VAC	30 - 50	50-250	ESWC-150TM1K9-RE7	\$5,500	B-3	
240VAC	30 - 50					
480VAC	75 - 125					
600VAC	75 - 150					
208VAC	50 - 60	50-250	ESWC-180TM1K9-RE7	\$6,540	B-3	
240VAC	50 - 60					
480VAC	100 - 150					
600VAC	125 - 175					

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ESWC Series – Full Voltage Non-Reversing Combination Starter - continued

ESWC

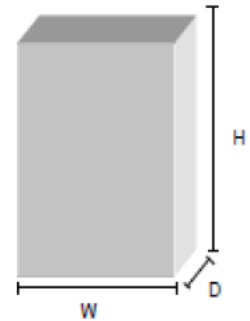
FEEDER VOLTAGE	Motor HP Range (HP)	Overload Range (A)	Metallic Enclosure Type 1/3R/4/12			Multiplier New(Old)
			Catalog Number	List Price	Box Size	
208VAC	60 - 100	85-420	ESWC-300TM1K9-RE8	\$7,600	B-3	Z3C (Z3)
240VAC	60 - 125					
480VAC	150 - 250		ESWC-300T5K9-RE8			
600VAC	175 - 300					

*Note: Alternate Control options are available. See catalog number breakdown on previous page

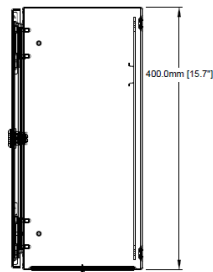
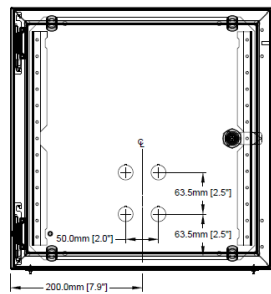
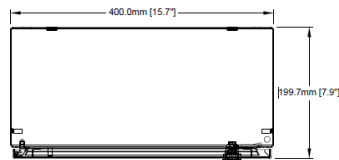
*Note: Wired for 480V primary from the factory. Instructions and fuses provided for 208V - 230V field conversion

Dimensions (in) - ESWC Series

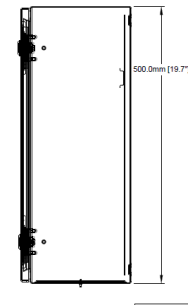
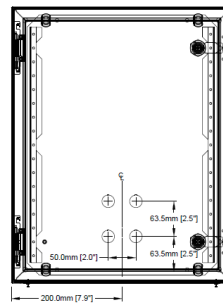
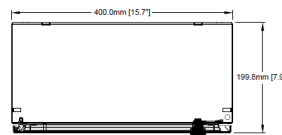
Enclosure Size	Dimensions (in/mm)		
	H	W	D
B1	15.75"/400mm	15.75"/400mm	7.87"/200mm
B2	19.69"/500mm	15.75"/400mm	7.87"/200mm
B3	31.5"/800mm	23.6"/600mm	11.8"/300mm



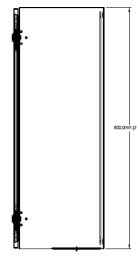
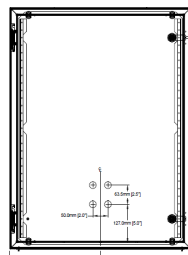
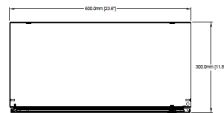
B1 Enclosure



B2 Enclosure



B3 Enclosure



- General Information
- Circuit Protection
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- Electronic Relays
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- Appendix A
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ESWE

ESWE Series Combination Starters Type E with/without CPT

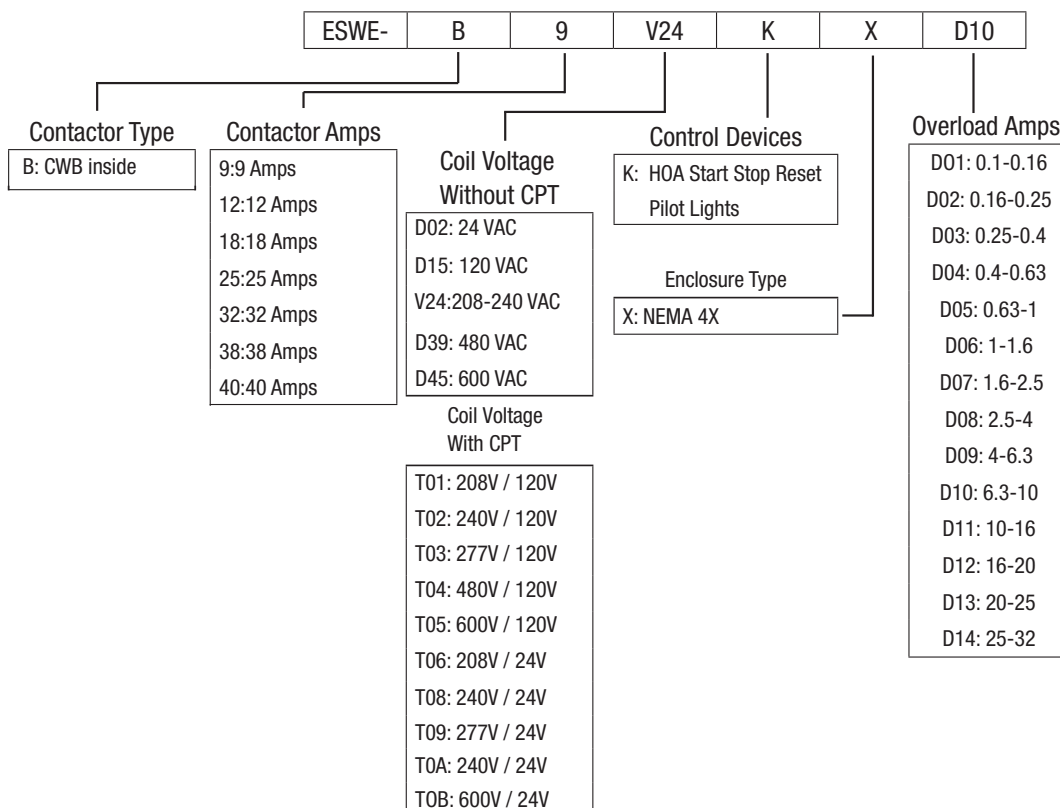
High performance and optimized solutions for motor starting and control. WEG offers full voltage non-reversing combination starters, ESWE series, up to 20 HP at 460VAC (40A) with or without control power transformers for three-phase applications.



Standard Features

- Standard Enclosure Type: non-metallic 4X
- Control Power Transformer: with or without
 - *CPT primary 575V – secondary 120V
 - *CPT primary 480V/240V – secondary 120V
- Branch Disconnect: rotary through-the-door handle
- Short-Circuit Protection: manual motor protection
- Motor Control: magnetic IEC contactor
- Overload Protection: manual motor protection
- Standard Control Devices: HAND-OFF-AUTO switch, START and STOP pushbuttons, pilot lights
- Custom enclosure and control options available upon request

ESWE Part Number Breakdown



Combination Type-E Across The Line Starter

- Branch Disconnect: Rotary through-the-door Handle
- Short-Circuit Protection: Manual Motor Protection
- Motor Control: Magnetic Contactor
- Overload Protection: Manual Motor Protection
- Control Devices: Hand-Off-Auto switch, Start-Stop pushbutton, pilot lights
- Other enclosure options available upon request

Three-Phase without CPT - Enclosure Type-4X

Combination Type-E Across The Line Starter

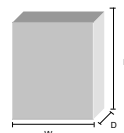
Max. 3-ph Hp Motors				Overload Setting Range (A)	Coil Voltage ¹⁾ (Vac)	Non-Metallic Enclosure Type 4X			Multiplier New(Old)	
200V	230V	460V	575V			Catalog Number	List Price	Box Size		
-	-	1/2	1/2	0.63 - 1.0	120	ESWE-B9D15KX-D05	\$855	E-1	Z3C (Z3)	
					480					ESWE-B9D39KX-D05
1/4	1/3	3/4	1	1.0 - 1.6	120	ESWE-B9D15KX-D06	\$855	E-1		
					208-240					ESWE-B9V24KX-D06
					480	ESWE-B9D39KX-D06	\$855	E-1		
					120					ESWE-B9D15KX-D07
1/2	1/2	1-1/2	1-1/2	1.6 - 2.5	208-240	ESWE-B9V24KX-D07	\$855	E-1		
					480					ESWE-B9D39KX-D07
3/4	1	2	3	2.5 - 4.0	120	ESWE-B9D15KX-D08	\$855	E-1		
					208-240					ESWE-B9V24KX-D08
					480					ESWE-B9D39KX-D08
1-1/2	1-1/2	3	5	4.0 - 6.3	120	ESWE-B9D15KX-D09	\$855	E-1		
					208-240					ESWE-B9V24KX-D09
					480					ESWE-B9D39KX-D09
3	3	5	7-1/2	6.3 - 10	120	ESWE-B9D15KX-D10	\$865	E-1		
					208-240					ESWE-B9V24KX-D10
					480					ESWE-B9D39KX-D10
5	5	10	15	10 - 16	120	ESWE-B18D15KX-D11	\$875	E-1		
					208-240				ESWE-B18V24KX-D11	
					480				ESWE-B18D39KX-D11	
7-1/2	7-1/2	15	15	16 - 20	120	ESWE-B25D15KX-D12	\$900	E-1		
					208-240				ESWE-B25V24KX-D12	
					480				ESWE-B25D39KX-D12	
10	10	20	25	25 - 32	120	ESWE-B40D15KX-D14	\$990	E-1		
					208-240				ESWE-B40V24KX-D14	
					480				ESWE-B40D39KX-D14	

Three-Phase with CPT - Enclosure Type-4X

Max. 3-ph Hp Motors				Overload Setting Range (A)	Coil Voltage (prim. / sec.) (Vac)	Non-Metallic Enclosure Type 4X			Multiplier New(Old)	
200V	230V	460V	575V			Catalog Number	List Price	Box Size		
-	-	1/2	1/2	0.63 - 1.0	480 / 120	ESWE-B9T04KX-D05	\$1,140	E-1	Z3C (Z3)	
					575 / 120					ESWE-B9T05KX-D05
					240 / 120					ESWE-B9T02KX-D06
1/4	1/3	3/4	1	1.0 - 1.6	480 / 120	ESWE-B9T04KX-D06	\$1,140	E-1		
					575 / 120					ESWE-B9T05KX-D06
					240 / 120	ESWE-B9T02KX-D07	\$1,140	E-1		
					480 / 120					ESWE-B9T04KX-D07
1/2	1/2	1-1/2	1-1/2	1.6 - 2.5	575 / 120	ESWE-B9T05KX-D07	\$1,140	E-1		
					240 / 120					ESWE-B9T02KX-D08
3/4	1	2	3	2.5 - 4.0	480 / 120	ESWE-B9T04KX-D08	\$1,140	E-1		
					575 / 120					ESWE-B9T05KX-D08
					240 / 120					ESWE-B9T02KX-D09
1-1/2	1-1/2	3	5	4.0 - 6.3	480 / 120	ESWE-B9T04KX-D09	\$1,140	E-1		
					575 / 120					ESWE-B9T05KX-D09
					240 / 120					ESWE-B9T02KX-D10
3	3	5	7-1/2	6.3 - 10	480 / 120	ESWE-B9T04KX-D10	\$1,140	E-1		
					575 / 120					ESWE-B9T05KX-D10
					240 / 120					ESWE-B18T02KX-D11
5	5	10	15	10 - 16	480 / 120	ESWE-B18T04KX-D11	\$1,155	E-1		
					575 / 120				ESWE-B18T05KX-D11	
					240 / 120				ESWE-B25T02KX-D12	
7-1/2	7-1/2	15	15	16 - 20	480 / 120	ESWE-B25T04KX-D12	\$1,175	E-1		
					575 / 120				ESWE-B25T05KX-D12	
10	10	20	25	25 - 32	240 / 120	ESWE-B40T02KX-D14	\$1,260	E-1		
					480 / 120				ESWE-B40T04KX-D14	
					575 / 120				ESWE-B40T05KX-D14	

Notes:

- 1) Please contact your local WEG representative for starters with 575V coil voltage.
- 3-phase starters with 120V coil are pre-wired for separate control
- 3-phase starters can be wired for single-phase applications

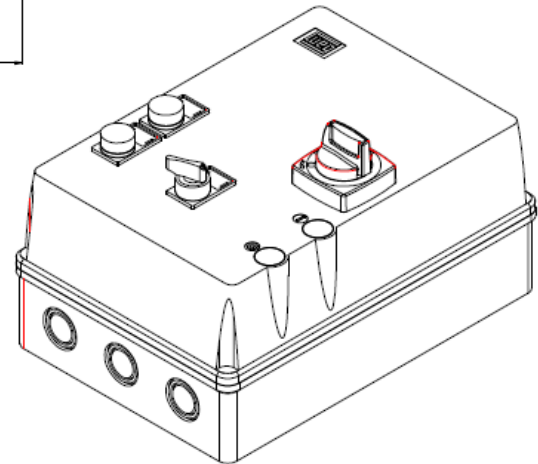
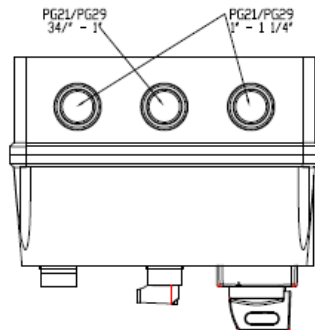
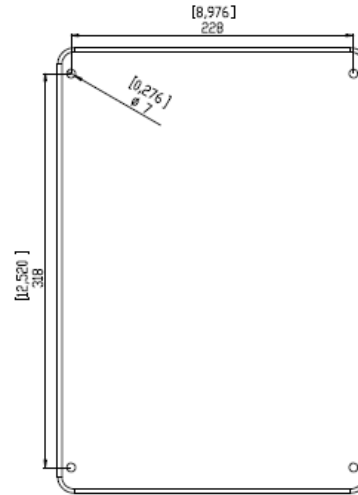
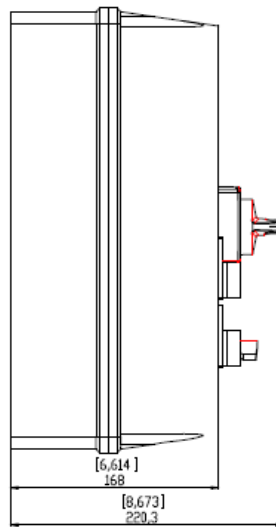
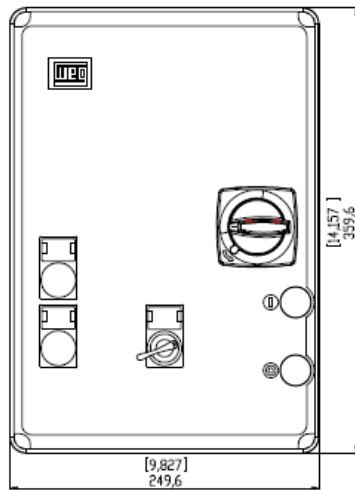
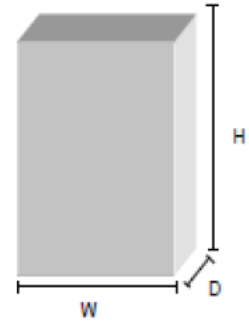


Dimensions (inches)			
Box Size	Enclosure Size		
	H	W	D
E-1	14.2	9.9	6.6

ESWE

Dimensions (in) - ESWE Series

Enclosure Size	Dimensions (in)		
	H	W	D
E-1	14.2	9.9	6.6



General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C

ESWF Series Combination Starters Type F with/without CPT

High performance and optimized solutions for motor starting and control. WEG offers full voltage non-reversing combination starters, ESWF series, up to 75 HP at 460VAC (105A) with or without control power transformers for three-phase applications.

Standard Features

- Standard Enclosure Type: metallic type 4/12
- Control Power Transformer: with or without
 - *CPT primary 575V – secondary 120V
 - *CPT primary 480V/240V – secondary 120V
- Branch Disconnect: rotary through-the-door handle
- Short-Circuit Protection: manual motor protection
- Motor Control: magnetic IEC contactor
- Overload Protection: manual motor protection
- Standard Control Devices: HAND-OFF-AUTO switch, START and STOP pushbuttons
- Custom enclosure and control options available upon request



ESWF Part Number Breakdown

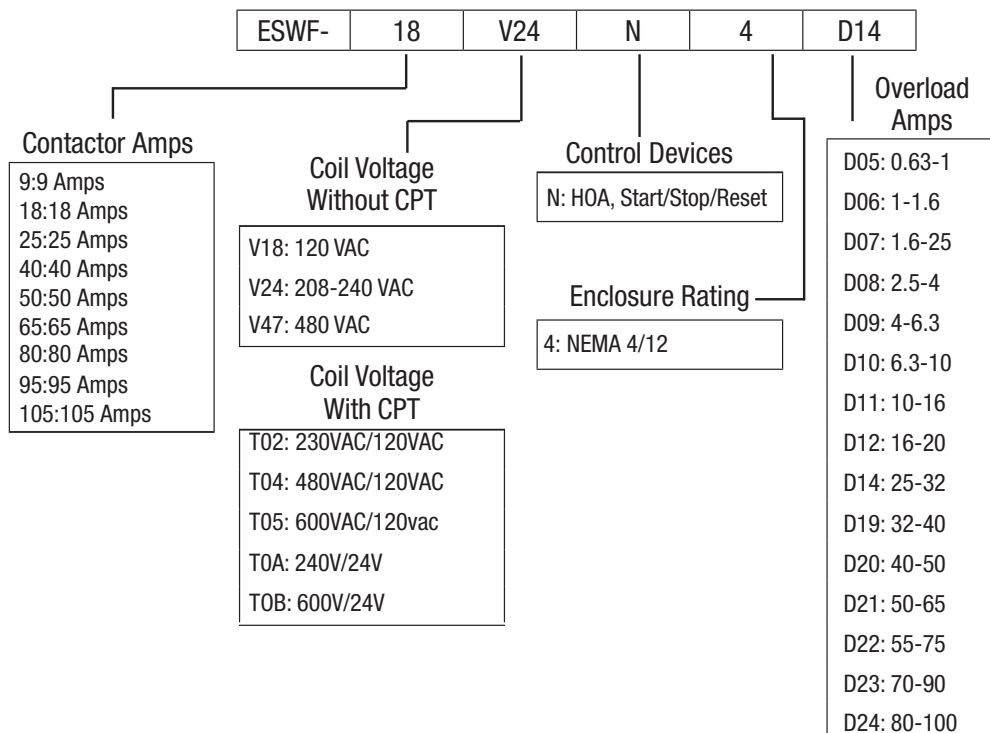


Table Intended for reference and not to create part numbers.

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactor
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

Enclosed Starters

ESWF

Combination Type-F Across The Line Starter

THREE-PHASE without Control Power Transformer

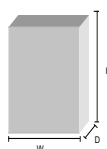
- Branch Disconnect: Rotary through-the-door Handle
- Short-Circuit Protection: Manual Motor Protection
- Motor Control: Magnetic Contactor
- Overload Protection: Manual Motor Protection
- Control Devices: Hand-Off-Auto switch, Start-Stop pushbutton
- Other enclosure options available upon request

Combination Type-F Across The Line Starter with no CPT

	Max. 3-ph Hp Motors				Overload Setting Range (A)	Coil Voltage ¹⁾ (Vac)	Metallic Enclosure Type 4/12			Multiplier New (Old)
	200V	230V	460V	575V			Catalog Number	List Price	Box Size	
-	-	1/2	1/2	0.63 - 1.0	120	ESWF-9V18N4-D05	\$1,410	F-1	Z3C (Z3)	
					480	ESWF-9V47N4-D05				
1/4	1/3	3/4	1	1.0 - 1.6	120	ESWF-9V18N4-D06	\$1,410	F-1		
					208-240	ESWF-9V24N4-D06				
1/2	1/2	1-1/2	1-1/2	1.6 - 2.5	480	ESWF-9V47N4-D06	\$1,410	F-1		
					120	ESWF-9V18N4-D07				
3/4	1	2	3	2.5 - 4.0	208-240	ESWF-9V24N4-D07	\$1,410	F-1		
					480	ESWF-9V47N4-D07				
1-1/2	1-1/2	3	5	4.0 - 6.3	120	ESWF-9V18N4-D08	\$1,410	F-1		
					208-240	ESWF-9V24N4-D08				
3	3	5	7-1/2	6.3 - 10	480	ESWF-9V47N4-D08	\$1,410	F-1		
					120	ESWF-9V18N4-D09				
5	5	10	15	10 - 16	208-240	ESWF-9V24N4-D09	\$1,410	F-1		
					480	ESWF-9V47N4-D09				
7-1/2	7-1/2	15	15	16 - 20	120	ESWF-9V18N4-D10	\$1,410	F-1		
					208-240	ESWF-9V24N4-D10				
10	10	20	25	25 - 32	480	ESWF-9V47N4-D10	\$1,495	F-1		
					120	ESWF-18V18N4-D11				
10	15	25	30	32 - 40	208-240	ESWF-18V24N4-D11	\$1,600	F-1		
					480	ESWF-18V47N4-D11				
15	15	30	40	40 - 50	120	ESWF-25V18N4-D12	\$1,690	F-2		
					208-240	ESWF-25V24N4-D12				
20	20	40	60	50 - 65	480	ESWF-25V47N4-D12	\$2,115	F-3		
					120	ESWF-40V18N4-D14				
20	25	50	60	55 - 75	208-240	ESWF-40V24N4-D14	\$2,210	F-3		
					480	ESWF-40V47N4-D14				
25	30	60	75	70 - 90	120	ESWF-50V18N4-D19	\$2,310	F-3		
					208-240	ESWF-50V24N4-D19				
30	30	75	100	80 - 100	480	ESWF-50V47N4-D19	\$2,475	F-3		
					120	ESWF-65V18N4-D20				
30	30	75	100	80 - 100	208-240	ESWF-65V24N4-D20	\$2,600	F-3		
					480	ESWF-65V47N4-D20				
30	30	75	100	80 - 100	120	ESWF-80V18N4-D21	\$2,800	F-3		
					208-240	ESWF-80V24N4-D21				
30	30	75	100	80 - 100	480	ESWF-80V47N4-D21	\$2,800	F-3		
					120	ESWF-95V18N4-D22				
30	30	75	100	80 - 100	208-240	ESWF-95V24N4-D22	\$2,800	F-3		
					480	ESWF-95V47N4-D22				
30	30	75	100	80 - 100	120	ESWF-95V18N4-D23	\$2,800	F-3		
					208-240	ESWF-95V24N4-D23				
30	30	75	100	80 - 100	480	ESWF-95V47N4-D23	\$2,800	F-3		
					120	ESWF-105V18N4-D24				
30	30	75	100	80 - 100	208-240	ESWF-105V24N4-D24	\$2,800	F-3		
					480	ESWF-105V47N4-D24				

Notes:

- 1) Please contact your local WEG representative for starters with 575V coil voltage.
- 3-phase starters with 120V coil are pre-wired for separate control
 - 3-phase starters can be wired for single-phase applications



Dimensions (inches)			
Box Size	Enclosure Size		
	H	W	D
F-1	12	12	8
F-2	16	16	8
F-3	20	20	12

Combination Type-F Across The Line Starter

THREE-PHASE with Control Power Transformer

- Branch Disconnect: Rotary through-the-door Handle
- Short-Circuit Protection: Manual Motor Protection
- Motor Control: Magnetic Contactor
- Overload Protection: Manual Motor Protection
- Control Devices: Hand-Off-Auto switch, Start-Stop pushbutton, control transformer
- Other enclosure options available upon request

ESWF Series - Combination Type-F Across The Line Starter with CPT

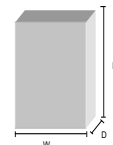
Max. 3-ph Hp Motors				Overload Setting Range (A)	Coil Voltage (Vac) ¹⁾	Metallic Enclosure Type 4/12			Multiplier New (Old)
200V	230V	460V	575V			Catalog Number	List Price	Box Size	
-	-	1/2	1/2	0.63 - 1.0	480 / 120	ESWF-9T04N4-D05	\$1,525	F-1	Z3C (Z3)
					575 / 120				
1/4	1/3	3/4	1	1.0 - 1.6	240 / 120	ESWF-9T02N4-D06	\$1,525	F-1	
					480 / 120				
					575 / 120	ESWF-9T05N4-D06			
1/2	1/2	1-1/2	1-1/2	1.6 - 2.5	240 / 120	ESWF-9T02N4-D07	\$1,525	F-1	
					480 / 120				
					575 / 120	ESWF-9T05N4-D07			
3/4	1	2	3	2.5 - 4.0	240 / 120	ESWF-9T02N4-D08	\$1,525	F-1	
					480 / 120				
					575 / 120	ESWF-9T05N4-D08			
1-1/2	1-1/2	3	5	4.0 - 6.3	240 / 120	ESWF-9T02N4-D09	\$1,525	F-1	
					480 / 120				
					575 / 120	ESWF-9T05N4-D09			
3	3	5	7-1/2	6.3 - 10	240 / 120	ESWF-9T02N4-D10	\$1,525	F-1	
					480 / 120				
					575 / 120	ESWF-9T05N4-D10			
5	5	10	15	10 - 16	240 / 120	ESWF-18T02N4-D11	\$1,610	F-1	
					480 / 120				
					575 / 120	ESWF-18T05N4-D11			
7-1/2	7-1/2	15	15	16 - 20	240 / 120	ESWF-25T02N4-D12	\$1,715	F-1	
					480 / 120				ESWF-25T04N4-D12
					575 / 120	ESWF-25T05N4-D12			
10	10	20	25	25 - 32	240 / 120	ESWF-40T02N4-D14	\$1,865	F-2	
					480 / 120				ESWF-40T04N4-D14
					575 / 120	ESWF-40T05N4-D14			
10	15	25	30	32 - 40	240 / 120	ESWF-50T02N4-D19	\$2,290	F-3	
					480 / 120				ESWF-50T04N4-D19
					575 / 120	ESWF-50T05N4-D19			
15	15	30	40	40 - 50	240 / 120	ESWF-65T02N4-D20	\$2,440	F-3	
					480 / 120				ESWF-65T04N4-D20
					575 / 120	ESWF-65T05N4-D20			
20	20	40	60	50 - 65	240 / 120	ESWF-80T02N4-D21	\$2,540	F-3	
					480 / 120				ESWF-80T04N4-D21
					575 / 120	ESWF-80T05N4-D21			
20	25	50	60	55 - 75	240 / 120	ESWF-95T02N4-D22	\$2,700	F-3	
					480 / 120				ESWF-95T04N4-D22
					575 / 120	ESWF-95T05N4-D22			
25	30	60	75	70 - 90	240 / 120	ESWF-95T02N4-D23	\$2,840	F-3	
					480 / 120				ESWF-95T04N4-D23
					575 / 120	ESWF-95T05N4-D23			
30	30	75	100	80 - 100	240 / 120	ESWF-105T02N4-D24	\$3,030	F-3	
					480 / 120				ESWF-105T04N4-D24
					575 / 120	ESWF-105T05N4-D24			

Notes:

1) Please contact your local WEG representative for starters with other coil voltage.

- 3-phase starters can be wired for single-phase applications

Dimensions (inches)			
Box Size	Enclosure Size		
	H	W	D
F-1	12	12	8
F-2	16	16	8
F-3	20	20	12



- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

Enclosed Starters

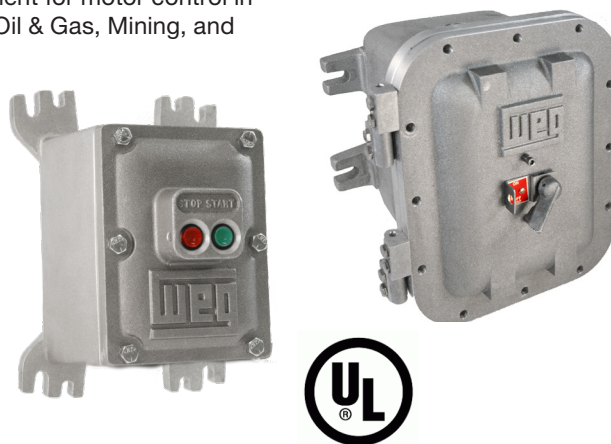
ESWX

Motor Control for Hazardous Areas: Class I, Groups C & D - Class II, Groups E, F, G

WEG Explosion Proof Motors Starters are the perfect compliment for motor control in Hazardous and Industrial environments. Applications include Oil & Gas, Mining, and Chemical Processing industries.

ESWX-M Series - Enclosed Manual Motor Starters

- High short-circuit interrupting rating – up to 50kA @ 480V
- Thermal overload protection Class 10
- Phase loss sensitivity protection
- Ambient temperature compensation -4°F+140°F (-20°C +60°C)
- Lockable rotary handle mechanism for disconnect
- Snap-in accessories
- Finger safe protected terminals
- Test trip feature
- Manual Motor Starters
- Suitable for motor disconnect applications
- UL Type-E self protected combination starter (available on request)



ESWX Series - Enclosed Starters

- Copper free aluminum alloy body
- Bolted flange design
- Durable cast on lugs
- Watertight 'O' Rings for NEMA 4 applications
- Hinged door for easier access
- NEMA 7 / 9 housing
- Class I, Groups C & D - Class II, Groups E, F, G
- Starter includes contactor plus overload relay
- Start Stop Reset buttons (Standard)
- HOA or Pilot Light (optional)
- Available up to 75 hp @ 460 Vac – 100 amps
- NEMA rated starters available from size 00 to size 3 on request



Custom units also available on request.

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

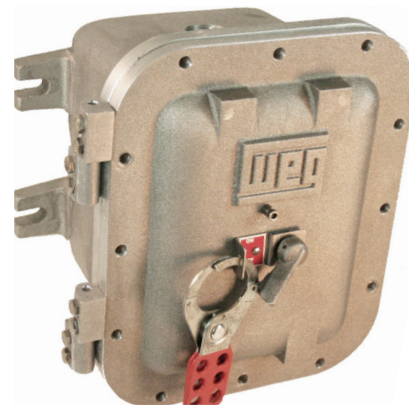
Appendix C

Motor Control for Hazardous Areas: Class I, Groups C & D - Class II, Groups E, F, G

WEG Explosion Proof Motors Starters are the perfect compliment for motor control in Hazardous and Industrial environments. Applications include Oil & Gas, Mining, and Chemical Processing industries.

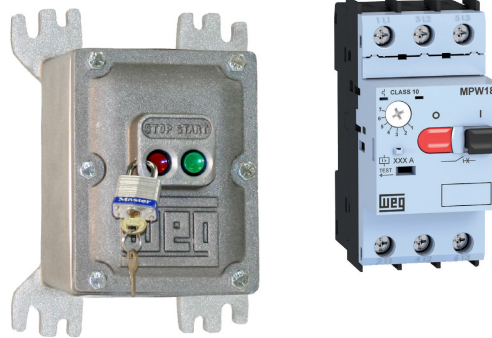
Enclosure Specifications

- Versatile mounting format
- Corrosion resistant, copper free aluminum alloy body
- Bolted flange design
- Durable cast on lugs
- Watertight 'O' Rings for NEMA 4X applications
- Lockout device on cover
- Rotary Handle units include hinged door for easier access
- NEMA 4X / 7 / 9 housing
- ON/OFF - Rotary Handle or Start/Stop - Push buttons
- Rotary Lockable handle
- Available up to 75 hp @ 460 Vac – 100 amps



Explosion Proof Manual Motor Starters ESWX-M16 Series

- Versatile mounting
- NEMA 4X / 7 / 9 housing
- Start & Stop /Reset pushbuttons
- Lockable in OFF position
- Available up to 10 hp @ 460 Vac – 16 amps



ESWX-M16 - PRODUCT SELECTION

Max 3 Phase UL HP			Thermal Setting	Short-Circuit interruption capacity		Catalog Number	List Price	Multiplier
Three Phase				[A]	480 Vac			
230V	460V	575V						
-	1/2	1/2	0.63 - 1.0	50kA	10kA	ESWX-M16A79-U001	\$1,595	Z33
-	3/4	3/4	1.0 - 1.6	50kA	10kA	ESWX-M16A79-D016	\$1,595	
1/2	1	1 1/2	1.6 - 2.5	50kA	10kA	ESWX-M16A79-D025	\$1,595	
3/4	2	3	2.5 - 4.0	50kA	10kA	ESWX-M16A79-U004	\$1,595	
1 1/2	3	5	4.0 - 6.3	50kA	10kA	ESWX-M16A79-D063	\$1,595	
3	5	7 1/2	6.3 - 10	50kA	5kA	ESWX-M16A79-U010	\$1,595	
5	10	10	10 - 16	30kA	5kA	ESWX-M16A79-U016	\$1,595	

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

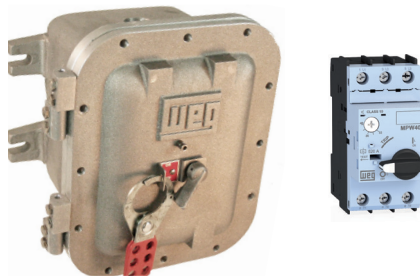
Appendix A

Appendix B

Appendix C

Enclosed Starters

ESWX



ESWX-M25 Series

- NEMA 4X / 7 / 9 housing
- Hinged Cover for easy access
- ON / OFF – Rotary Handle
- Lockable in OFF position
- Available up to 20 hp @ 460 Vac– 32 amps

ESWX-M25 - PRODUCT SELECTION

Max 3 Phase UL HP			Thermal Setting	Short-Circuit interruption capacity		Catalog Number	List Price	Multiplier
Three Phase				[A]	480 Vac			
230V	460V	575V						
-	1/2	1/2	0.63 - 1.0	50kA	25kA	ESWX-M25R79-U001	\$2,200	Z33
-	3/4	3/4	1.0 - 1.6	50kA	25kA	ESWX-M25R79-D016	\$2,200	
1/2	1	1 1/2	1.6 - 2.5	50kA	25kA	ESWX-M25R79-D025	\$2,200	
3/4	2	3	2.5 - 4.0	50kA	25kA	ESWX-M25R79-U004	\$2,200	
1 1/2	3	5	4.0 - 6.3	50kA	25kA	ESWX-M25R79-D063	\$2,200	
3	5	7 1/2	6.3 - 10	50kA	25kA	ESWX-M25R79-U010	\$2,200	
5	10	15	10 - 16	50kA	25kA	ESWX-M25R79-U016	\$2,200	
7 1/2	15	15	16 - 20	50kA	25kA	ESWX-M25R79-U020	\$2,200	
7 1/2	15	20	20 - 25	50kA	25kA	ESWX-M25R79-U025	\$2,200	
10	20	25	25 - 32	42kA	25kA	ESWX-M25R79-U032	\$2,200	

ESWX-M65 Series

- NEMA 4X / 7 / 9 housing
- Hinged Cover for easy access
- ON / OFF – Rotary Handle
- Lockable in OFF position
- Available up to 50 hp @ 460 Vac – 65 amps

ESWX-M65 - PRODUCT SELECTION

Max 3 Phase UL HP			Thermal Setting	Short-Circuit interruption capacity		Catalog Number	List Price	Multiplier
Three Phase				[A]	480 Vac			
230V	460V	575V						
15	25	30	32 - 40	35kA	10kA	ESWX-M65R79-U040	\$2,600	Z33
15	30	40	40 - 50	35kA	10kA	ESWX-M65R79-U050	\$2,600	
20	50	60	50 - 65	35kA	10kA	ESWX-M65R79-U065	\$2,600	

ESWX-M100 Series

- NEMA 4X / 7 / 9 housing
- Hinged Cover for easy access
- ON / OFF – Rotary Handle
- Lockable in OFF position
- Available up to 75 hp @ 460 Vac – 100 amps

ESWX-M100 - PRODUCT SELECTION

Max 3 Phase UL HP			Thermal Setting	Short-Circuit interruption capacity		Catalog Number	List Price	Multiplier
Three Phase				[A]	480 Vac			
230V	460V	575V						
25	50	60	55 - 75	50kA	10kA	ESWX-M100R79-U075	\$3,350	Z33
30	60	75	70 - 90	50kA	10kA	ESWX-M100R79-U090	\$3,350	
30	75	100	80 - 100	50kA	10kA	ESWX-M100R79-U100	\$3,350	

ACCESSORIES FOR MPW18 / 40 / 80 - Summary

Description	Catalog Number	List Price	Multiplier
Auxiliary Contact Blocks			
1NO&1NC auxiliary contact block front mounting - 250Vmax.	ACBF-11	\$20	Z4
1NO&1NC auxiliary contact block left side mounting - 600Vmax.	ACBS-11	\$22	
2NO Auxiliary contact block left side mounting - 600Vmax.	ACBS-20	\$22	
2NC Auxiliary contact block left side mounting - 600Vmax.	ACBS-02	\$22	
Under Voltage and Shunt Block Releases			
Shunt release block right side mounting - 20-24V 50/60Hz	SRMP D51	\$56	Z4
Shunt release block right side mounting - 100-127V 50/60Hz	SRMP D59	\$56	
Shunt release block right side mounting - 200-240V 50/60Hz	SRMP D65	\$56	
Under voltage release block right side mounting - 24V 60Hz	URMP D02	\$56	
Under voltage release block right side mounting - 120V 60Hz	URMP V18	\$56	
Under voltage release block right side mounting - 208V 60Hz	URMP V23	\$56	
Under voltage release block right side mounting - 240V 60Hz	URMP V30	\$56	
Under voltage release block right side mounting - 480V 60Hz	URMP V47	\$56	

ACCESSORIES FOR MPW100 - Summary

Description	Catalog Number	List Price	Multiplier
Auxiliary Contact Blocks			
1NO&1NC auxiliary contact block front mounting - 250Vmax.	ACBF-11 MPW100	\$35	Z4
1NO&1NC auxiliary contact block left side mounting - 600Vmax.	ACBS-11 MPW100	\$27	
2NO Auxiliary contact block left side mounting - 600Vmax.	ACBS-20 MPW100	\$27	
2NC Auxiliary contact block left side mounting - 600Vmax.	ACBS-02 MPW100	\$27	
Under Voltage and Shunt Block Releases			
Shunt release block right side mounting - 120V 50/60Hz	SRMP V18 MPW100	\$56	Z4
Shunt release block right side mounting - 240-260V 60Hz	SRMP V33 MPW100	\$56	
Under voltage release block right side mounting - 120V 60Hz	URMP V18 MPW100	\$56	
Under voltage release block right side mounting - 240V 60Hz	URMP V33 MPW100	\$56	
Under voltage release block right side mounting - 460V 60Hz	URMP V43 MPW100	\$56	

ESWX

NEMA 7/9 Enclosure – Three Phase

- Motor Control: Magnetic Contactor
- Overload Protection: Thermal Overload Relay
- Control Devices: START STOP RESET Pushbuttons
 - One additional Pilot device available as modification; ex. I-HOA or I-Indicator Light
- Cast Aluminum NEMA 7/9 housing with NEMA 4 gasket
 - Breather & Drain available on request



ESWX Series - Non-combination Across The Line Starter for use in Hazardous Areas ENCLOSURE TYPE NEMA 7/9

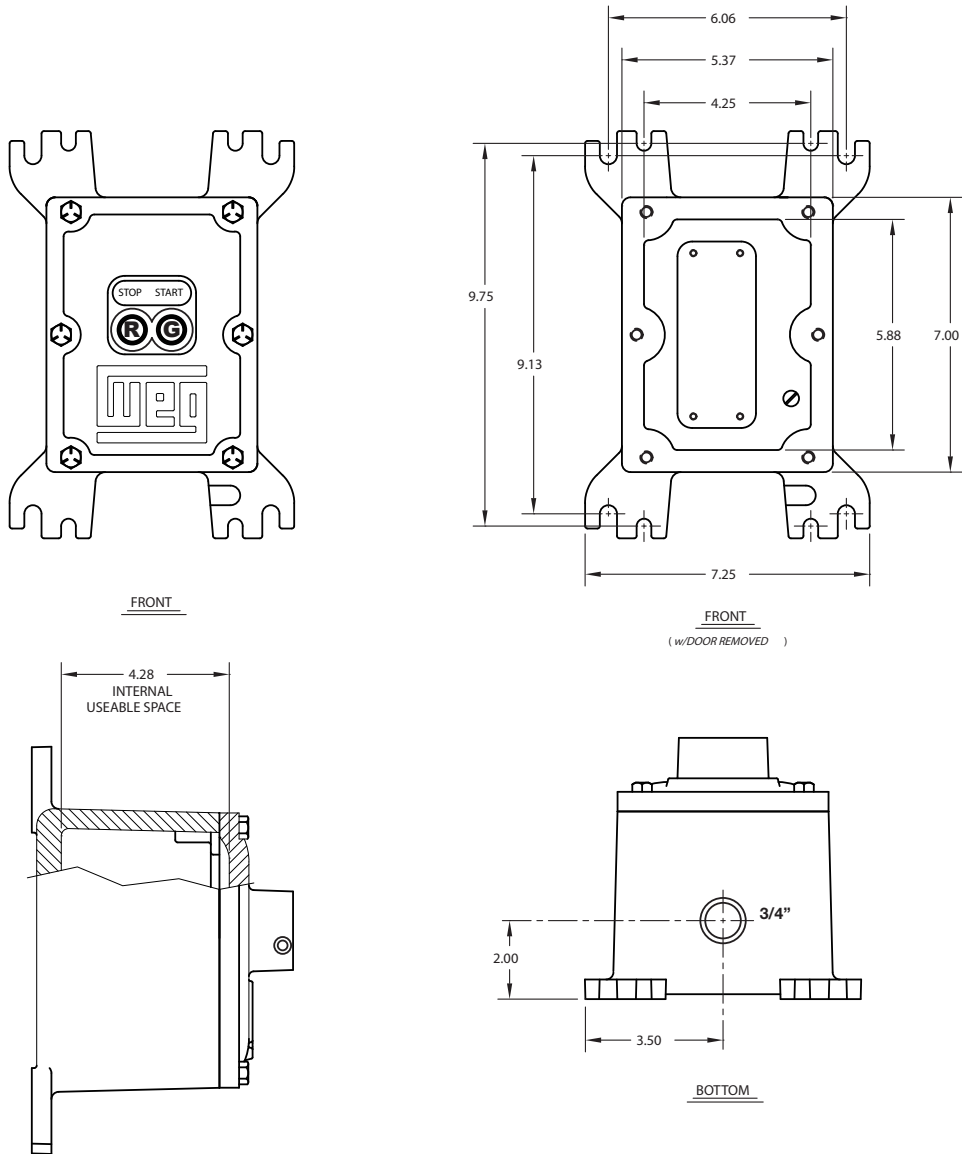
Motor Protectors	Max. UL 3 Phase Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START + STOP + RESET		Multiplier
	200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
	RESET only		START + STOP + RESET									
-	1/3	1/2	-	X04	0.8 - 1.2	120	ESWX-25V18E79-R23	\$3,250	ESWX-25V18A79-R23	\$3,850	Z33	
						208-240	ESWX-25V24E79-R23		ESWX-25V24A79-R23			
						480	ESWX-25V47E79-R23		ESWX-25V47A79-R23			
-	-	1	1	X04	1.2 - 1.8	120	ESWX-25V18E79-R24	\$3,250	ESWX-25V18A79-R24	\$3,850		
						480	ESWX-25V47E79-R24		ESWX-25V47A79-R24			
						120	ESWX-25V18E79-R25		ESWX-25V18A79-R25			
1/2	3/4	1-1/2	2	X04	1.8 - 2.8	208-240	ESWX-25V24E79-R25	\$3,250	ESWX-25V24A79-R25	\$3,850		
						480	ESWX-25V47E79-R25		ESWX-25V47A79-R25			
						120	ESWX-25V18E79-R26		ESWX-25V18A79-R26			
1	1	2	3	X04	2.8 - 4.0	208-240	ESWX-25V24E79-R26	\$3,250	ESWX-25V24A79-R26	\$3,850		
						480	ESWX-25V47E79-R26		ESWX-25V47A79-R26			
						120	ESWX-25V18E79-R27		ESWX-25V18A79-R27			
1-1/2	1-1/2	3	5	X04	4.0 - 6.3	208-240	ESWX-25V24E79-R27	\$3,250	ESWX-25V24A79-R27	\$3,850		
						480	ESWX-25V47E79-R27		ESWX-25V47A79-R27			
						120	ESWX-25V18E79-R28		ESWX-25V18A79-R28			
2	2	5	-	X04	5.6 - 8.0	208-240	ESWX-25V24E79-R28	\$3,250	ESWX-25V24A79-R28	\$3,850		
						480	ESWX-25V47E79-R28		ESWX-25V47A79-R28			
						120	ESWX-25V18E79-R29		ESWX-25V18A79-R29			
3	3	-	7-1/2	X04	7.0 - 10	208-240	ESWX-25V24E79-R29	\$3,250	ESWX-25V24A79-R29	\$3,850		
						480	ESWX-25V47E79-R29		ESWX-25V47A79-R29			
						120	ESWX-25V18E79-R30		ESWX-25V18A79-R30			
-	-	7-1/2	10	X04	8.0 - 12.5	480	ESWX-25V47E79-R30	\$3,250	ESWX-25V47A79-R30	\$3,850		
						120	ESWX-25V18E79-R32		ESWX-25V18A79-R32			
						208-240	ESWX-25V24E79-R32		ESWX-25V24A79-R32			
5	5	10	15	X04	11 - 17	480	ESWX-25V47E79-R32	\$3,250	ESWX-25V47A79-R32	\$3,850		
						120	ESWX-25V18E79-R33		ESWX-25V18A79-R33			
						208-240	ESWX-25V24E79-R33		ESWX-25V24A79-R33			
7-1/2	7-1/2	15	-	X04	15 - 23	480	ESWX-25V47E79-R33	\$3,250	ESWX-25V47A79-R33	\$3,850		
						120	ESWX-40V18E79-R34		ESWX-40V18A79-R34			
						208-240	ESWX-40V24E79-R34		ESWX-40V24A79-R34			
10	10	20	25	X04	22 - 32	480	ESWX-40V47E79-R34	\$3,300	ESWX-40V47A79-R34	\$3,950		
						120	ESWX-40V18E79-R35		ESWX-40V18A79-R35			
						208-240	ESWX-40V24E79-R35		ESWX-40V24A79-R35			
10	15	30	-	X04	25 - 40	480	ESWX-40V47E79-R35	\$3,300	ESWX-40V47A79-R35	\$3,950		
						120	ESWX-80V18E79-R38		ESWX-80V18A79-R38			
						208-240	ESWX-80V24E79-R38		ESWX-80V24A79-R38			
15	15	30	40	X04	32 - 50	480	ESWX-80V47E79-R38	\$3,400	ESWX-80V47A79-R38	\$4,050		
						120	ESWX-80V18E79-R39		ESWX-80V18A79-R39			
						208-240	ESWX-80V24E79-R39		ESWX-80V24A79-R39			
20	20	40	50	X04	40 - 57	480	ESWX-80V47E79-R39	\$3,400	ESWX-80V47A79-R39	\$4,050		
						120	ESWX-80V18E79-R41		ESWX-80V18A79-R41			
						208-240	ESWX-80V24E79-R41		ESWX-80V24A79-R41			
-	25	50	60	X04	57 - 70	480	ESWX-80V47E79-R41	\$3,420	ESWX-80V47A79-R41	\$4,050		
						120	ESWX-105V18E79-R43		ESWX-105V18A79-R43			
						208-240	ESWX-105V24E79-R43		ESWX-105V24A79-R43			
25	30	60	75	X04	63 - 80	480	ESWX-105V47E79-R43	\$3,870	ESWX-105V47A79-R43	\$4,600		
						120	ESWX-105V18E79-R44		ESWX-105V18A79-R44			
						208-240	ESWX-105V24E79-R44		ESWX-105V24A79-R44			
30	-	75	-	X04	75 - 97	480	ESWX-105V47E79-R44	\$3,870	ESWX-105V47A79-R44	\$4,600		
						120	ESWX-105V18E79-R45		ESWX-105V18A79-R45			
						208-240	ESWX-105V24E79-R45		ESWX-105V24A79-R45			
-	40	-	-	X04	90 - 112	480	ESWX-105V47E79-R45	\$3,870	ESWX-105V47A79-R45	\$4,600		
						120	ESWX-105V18E79-R45		ESWX-105V18A79-R45			
						208-240	ESWX-105V24E79-R45		ESWX-105V24A79-R45			

Notes:

- Overload Relay dial must be set with FLA of the motor
- 3-phase starters with 120V coil are pre-wired for separate control
- 3-phase starters can be wired for single-phase applications

Explosion Proof Manual Starters

Dimensions (in) ESWX-M16



Certifications
 Class I, Groups C & D
 Class II, Groups E, F, & aG
 UL Standard 1203 (Classified)
 NEMA 7 (C&D), 9 (E, F, & G)



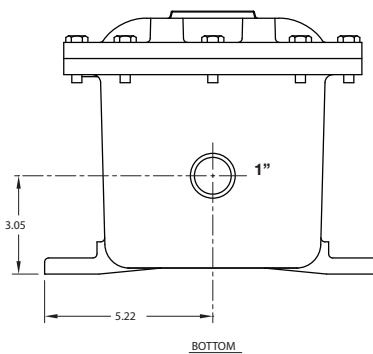
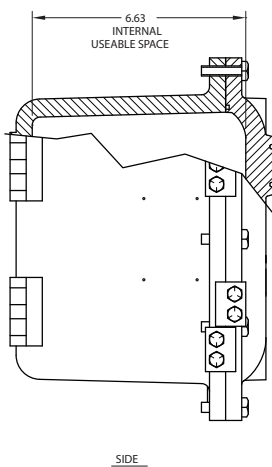
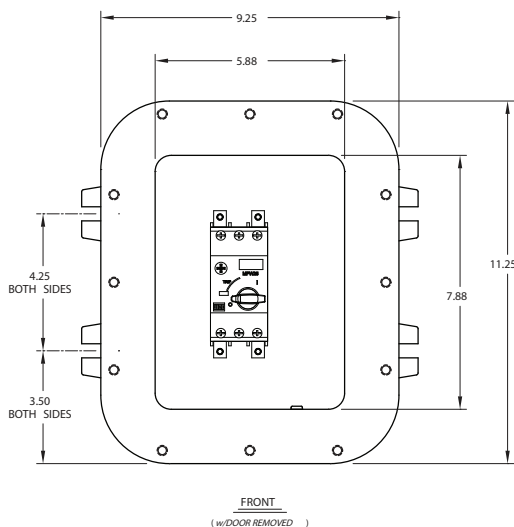
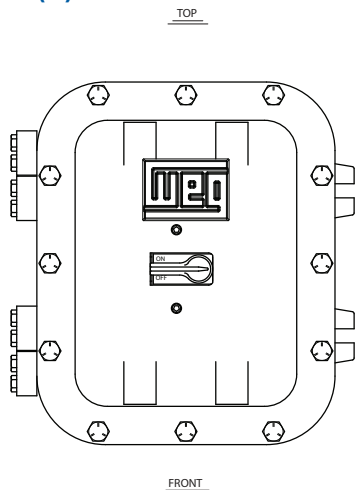
- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

Enclosed Starters

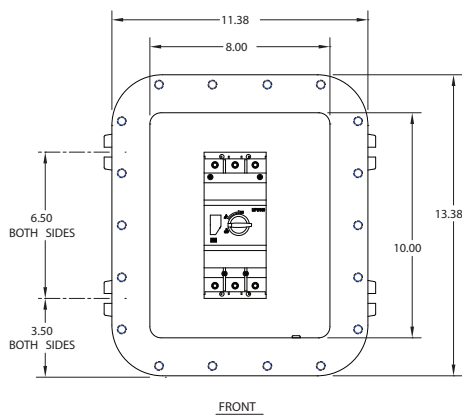
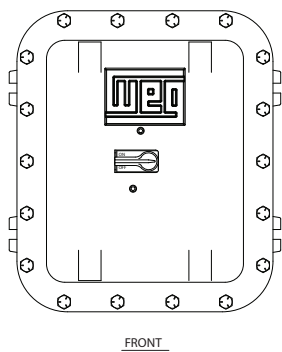
ESWX

Explosion Proof Manual Starters

Dimensions (in) ESWX-M25 and ESWX-M65



Dimensions (in) ESWX-M100



Certifications
 Class I, Groups C & D
 Class II, Groups E, F, & aG
 UL Standard 1203 (Classified)
 NEMA 7 (C&D), 9 (E, F, & G)

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

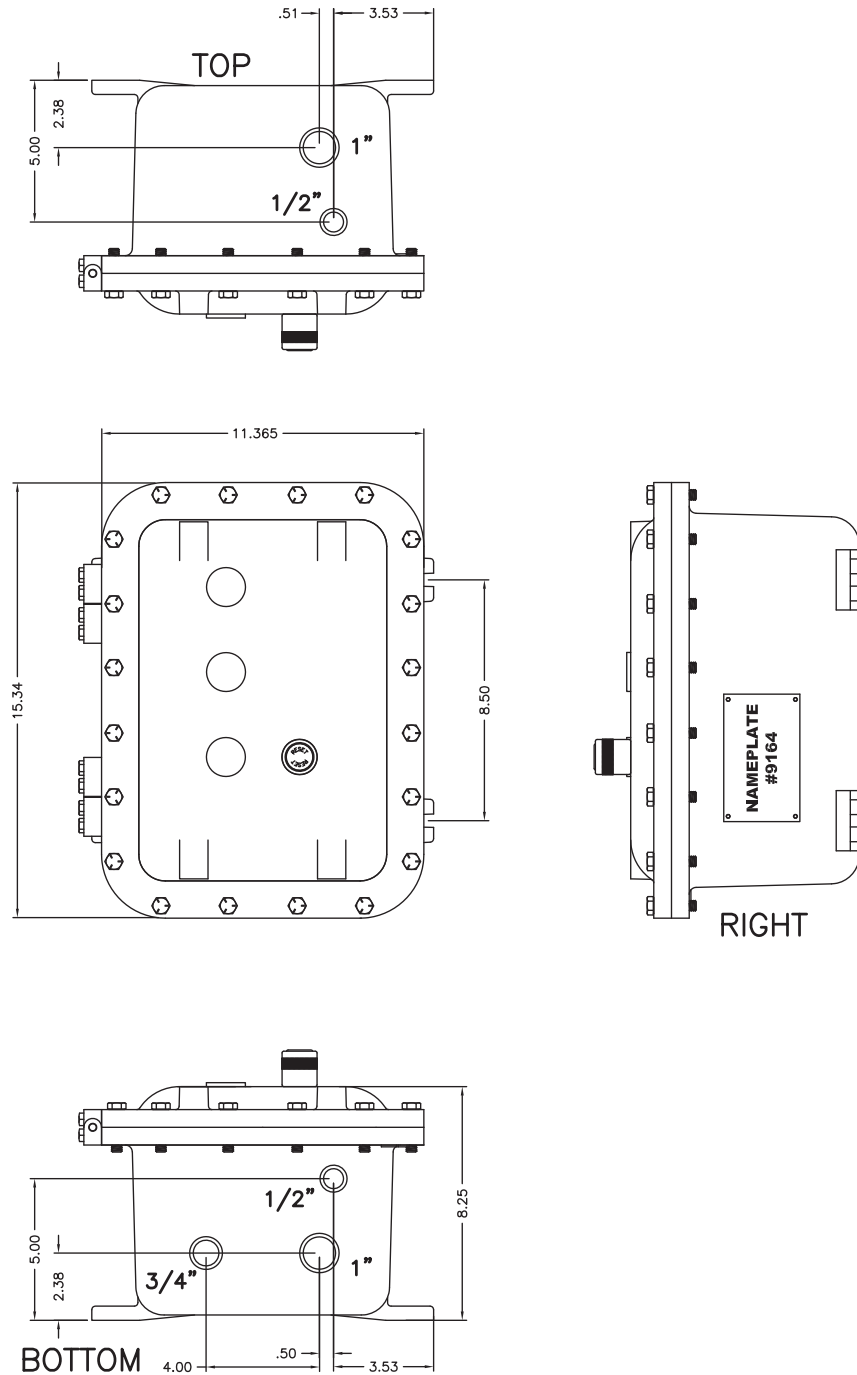
Appendix A

Appendix B

Appendix C

Explosion Proof Non-Combination Starters

Dimensions (in) ESWX SERIES
Type-NEMA 7/9 - Cast Aluminum Enclosure



General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C

CUSTOM CONTROL PANELS

DATA WORKSHEET and REQUEST FOR QUOTE

REP		ASE*		Need Quote By	
TAM		TSS		Requested Ship Date	

1. CUSTOMER INFO:

1.1 Company Name*		1.3 Customer Phone	
1.2 Contact Name		1.4 End User Name	

2. SUPPORTING PRODUCT INFO:

2.1 Product Info	
2.1.a Enter P/N	

3. LOAD DATA: (Only 3.1 or 3.2 is Required)

3.1 Motor HP*		3.2 Motor FLA*		3.3 Service Factor	
3.4 Other load data					

4. POWER & WIRING:

4.1 Phase*		4.2 Incoming Voltage [V]*	
4.3 Frequency*		4.4 Portable Generator Power?	

5. APPLICATION & ENVIRONMENT:

5.1 Starting Method*		5.1.a Other starting method:	
5.2 Enclosure type* (Metallic Type 1, 12, 3R, etc)		5.3 Specify Ambient Temperature, if unit installed Outdoors	5.4 Specify Altitude, if unit installed above 6,500ft
5.5 Replacing standard NEMA size?		5.6 Maximum number of Starts per hour	5.7 Other Information

6. CIRCUIT PROTECTION:

6.1 Protective Device*	
6.1.a Other Protective Device:	

7. CONTROL CIRCUIT:

7.1 Common control (same as voltage to motor)*		7.2 CPT required?*	
7.3 Transformer with extra VA capacity?			

8. COVER MOUNTED 22mm DEVICES: (if yes, enter quantities)

22MM Reset Pbs are considered based on panel configuration. If Reset Pbs are not needed, please specify.

8.1 Start/Stop Push Buttons		8.2 H-O-A Selector Switch		8.3 Off-On Selector Switch		8.4 Run Light		8.5 Power On Light		8.6 E-Stop Push Button	
8.7 Other (Specify)											

9. OTHER SPECIFICATIONS:

**required field*

When completed, please contact your regional WEG sales specialist at 1-800-ASK-4WEG (275-4934) for directions on submittal.

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C