

ESW/PESW



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.

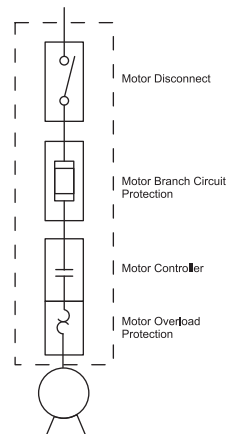
Three series are available:

- Metallic Type 1 – ESW Series
- Non-Metallic Type 4X – PESW Series
- Metallic Type NEMA 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



Types A through D combination starters

NEMA 1 Enclosure – Three Phase



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

Max. UL Horsepower				Box	Setting Range	Coil Voltage	RESET only		START/STOP + RESET		Multiplier
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	1/3	1/2	-	M04	0.8 - 1.2	120	ESW-9V18E-R23	\$157	ESW-9V18A-R23	\$210	Z3
						208-240	ESW-9V24E-R23		ESW-9V24A-R23		
						480	ESW-9V47E-R23		ESW-9V47A-R23		
-	-	1	1	M04	1.2 - 1.8	120	ESW-9V18E-R24	\$157	ESW-9V18A-R24	\$210	
						480	ESW-9V47E-R24		ESW-9V47A-R24		
						120	ESW-9V18E-R25		ESW-9V18A-R25		
1/2	3/4	1-1/2	2	M04	1.8 - 2.8	208-240	ESW-9V24E-R25	\$157	ESW-9V24A-R25	\$210	
						480	ESW-9V47E-R25		ESW-9V47A-R25		
						120	ESW-9V18E-R26		ESW-9V18A-R26		
1	1	2	3	M04	2.8 - 4.0	208-240	ESW-9V24E-R26	\$157	ESW-9V24A-R26	\$210	
						480	ESW-9V47E-R26		ESW-9V47A-R26		
						120	ESW-9V18E-R27		ESW-9V18A-R27		
1-1/2	1-1/2	3	5	M04	4.0 - 6.3	208-240	ESW-9V24E-R27	\$157	ESW-9V24A-R27	\$210	
						480	ESW-9V47E-R27		ESW-9V47A-R27		
						120	ESW-9V18E-R28		ESW-9V18A-R28		
2	2	5	-	M04	5.6 - 8.0	208-240	ESW-9V24E-R28	\$157	ESW-9V24A-R28	\$210	
						480	ESW-9V47E-R28		ESW-9V47A-R28		
						120	ESW-9V18E-R29		ESW-9V18A-R29		
3	3	-	7-1/2	M04	7.0 - 10	208-240	ESW-9V24E-R29	\$157	ESW-9V24A-R29	\$210	
						120	ESW-12V18E-R30		ESW-12V18A-R30		
						480	ESW-12V47E-R30		ESW-12V47A-R30		
5	5	10	15	M04	11 - 17	120	ESW-18V18E-R32	\$188	ESW-18V18A-R32	\$241	
						208-240	ESW-18V24E-R32		ESW-18V24A-R32		
						480	ESW-18V47E-R32		ESW-18V47A-R32		
7-1/2	7-1/2	15	-	M04	15 - 23	120	ESW-25V18E-R33	\$223	ESW-25V18A-R33	\$276	
						208-240	ESW-25V24E-R33		ESW-25V24A-R33		
						480	ESW-25V47E-R33		ESW-25V47A-R33		
10	10	20	25	M04	22 - 32	120	ESW-32V18E-R34	\$245	ESW-32V18A-R34	\$298	
						208-240	ESW-32V24E-R34		ESW-32V24A-R34		
						480	ESW-32V47E-R34		ESW-32V47A-R34		
10	15	30	-	M06	25 - 40	120	ESW-40V18E-R35	\$292	ESW-40V18A-R35	\$345	
						208-240	ESW-40V24E-R35		ESW-40V24A-R35		
						480	ESW-40V47E-R35		ESW-40V47A-R35		
15	15	30	40	M06	32 - 50	120	ESW-50V18E-R38	\$350	ESW-50V18A-R38	\$403	
						208-240	ESW-50V24E-R38		ESW-50V24A-R38		
						480	ESW-50V47E-R38		ESW-50V47A-R38		
20	20	40	50	M06	40 - 57	120	ESW-65V18E-R39	\$375	ESW-65V18A-R39	\$428	
						208-240	ESW-65V24E-R39		ESW-65V24A-R39		
						480	ESW-65V47E-R39		ESW-65V47A-R39		
-	25	50	60	M06	57 - 70	120	ESW-80V18E-R41	\$421	ESW-80V18A-R41	\$474	
						208-240	ESW-80V24E-R41		ESW-80V24A-R41		
						480	ESW-80V47E-R41		ESW-80V47A-R41		
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	-	75	-	M08	75 - 97	120	ESW-105V18E-R44	\$975	ESW-105V18A-R44	\$1,028	
						480	ESW-105V47E-R44		ESW-105V47A-R44		
						120	ESW-105V18E-R45		ESW-105V18A-R45		
-	40	-	-	M08	90 - 112	208-240	ESW-105V24E-R45	\$975	ESW-105V24A-R45	\$1,028	

Notes:

- 1) Please contact your local WEG representative for starters with other control voltage.
- 2) 3-phase starters can be wired for single-phase applications (see page 238 for single phase conversion diagram)

Enclosed Motor Controls

Enclosed Motor Controls



Enclosed Starters - ESWS
NEMA 1 Enclosure – Single Phase



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

Max. UL Horsepower		Box	Setting Range	Coil Voltage	RESET only		Multiplier
115V	230V				Catalog Number	List Price	
-	1/2	M04	2.8 - 4.0	208-240	ESWS-9V24E-RM26	\$135	Z3
-	3/4	M04	4.0 - 6.3	208-240	ESWS-9V24E-RM27	\$135	
1/3	1	M04	5.6 - 8.0	120	ESWS-9V18E-RM28	\$135	
				208-240	ESWS-9V24E-RM28		
1/2	-	M04	7.0 - 10	120	ESWS-9V18E-RM29	\$135	
-	1-1/2	M04	8.0 - 12.5	208-240	ESWS-9V24E-RM30	\$135	
3/4	2	M04	10 - 15	120	ESWS-12V18E-RM31	\$161	
				208-240	ESWS-12V24E-RM31		
1	3	M04	11 - 17	120	ESWS-18V18E-RM32	\$170	
				208-240	ESWS-18V24E-RM32		
1-1/2	5	M04	15 - 23	120	ESWS-25V18E-RM33	\$180	
				208-240	ESWS-25V24E-RM33		
2	5	M04	22 - 32	120	ESWS-25V18E-RM34	\$180	
				208-240	ESWS-25V24E-RM34		
3	-	M06	25 - 40	120	ESWS-40V18E-RM35	\$274	
-	7-1/2	M06	25 - 40	208-240	ESWS-50V24E-RM36	\$330	
-	7-1/2	M06	32 - 50	208-240	ESWS-50V24E-RM38	\$330	
-	10	M06	32 - 50	208-240	ESWS-65V24E-RM38	\$350	

Notes: 1) OLR must be set as 115% of motor FLA
 ESWS - Single-phase version - assembled with 2 pole contactor and 2 pole overload relays

Field Mod Kits for ESW/ESWS Series

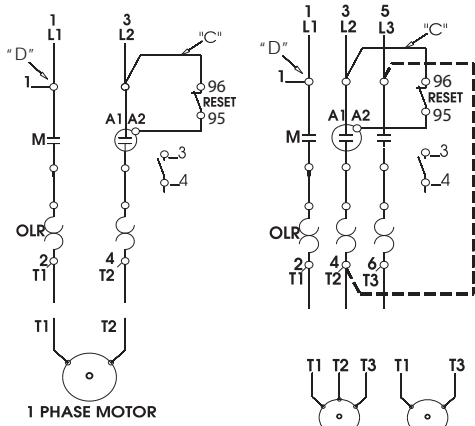
Description	Accessories		Field Kit Modifications		
	Structure		Catalog Number	List Price	Multiplier
	Top	Bottom			
No Pilot Device Metal Brackets - 2 x 22mm holes w/ plugs	PLUG	PLUG	KESWPP	\$25	Z3
Start / Stop Pushbutton	PLUG	START - STOP	KESWPS	\$80	
Hand-Off-Auto Selector Switch	HAND - OFF - AUTO	PLUG	KESWHP	\$80	
Off-On Selector Switch	OFF - ON	PLUG	KESWFP	\$80	
Hand-Off-Auto Selector Switch and Start / Stop Pushbuttons	HAND - OFF - AUTO	START - STOP	KESWHS	\$130	
E-stop	PLUG	E-STOP	KESWPE	\$80	



Enclosed Motor Controls

WIRING DIAGRAM

Single-phase Starter Three-phase Starter



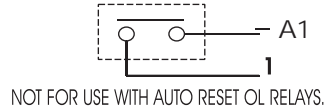
Conversion to single-phase, add jumper wire from L3 to T2 (follow dotted line connection above)

Separate Control

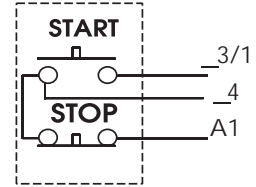
FOR SEPARATE CONTROL, REMOVE WIRES "C" AND "D" IF SUPPLIED AND CONNECT SEPARATE CONTROL LINES TO TERMINAL N° 96 ON THE OVERLOAD RELAY AND TO TERMINAL N° _3 ON THE AUX. CONTACT BLOCK (FOR 3 WIRE CONTROL) OR TO THE CONTACTOR COIL N° A1 (FOR 2 WIRE CONTROL).

Pilot Devices

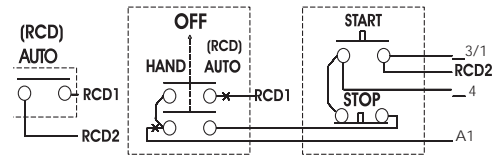
2 Wire Control



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 (1/2" or 3/4")	2x (1/2" or 3/4")	4x (1/2" or 3/4")	2x (1/2" or 3/4")
	1x (3/4" or 1")	1x (3/4" or 1")	-	-
Box M06	1x (1/2" or 3/4")	1x (1/2" or 3/4")	3x (1/2" or 3/4")	-
	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 (3/4")	-

Dimensions (approx. inches)

Enclosed Starters	Enclosure Size			
	BOX	H	W	D
ESW(S) 9, 12, 18, 25, 32	M04	9.5	5.5	5.0
ESW(S) 40, 50, 65, 80	M06	13.0	7.5	5.6
ESW 95, 105	M08	17.8	9.5	6.7



Enclosed Motor Controls