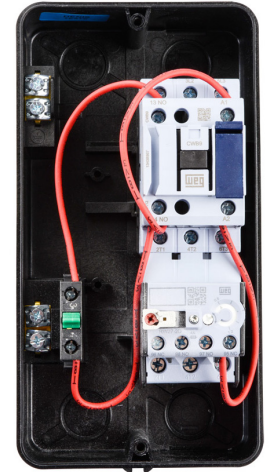




ESW/PESW Non-Combination Enclosed Starters



ESW-B9D15A-R23



PESW-B9D15AX-R57

Overview

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 for protecting and operating motors, ensuring smooth operation year after year.

Metallic and non-metallic series are available:

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

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 N.O.-N.C. auxiliary contacts
- Easy to install and setup



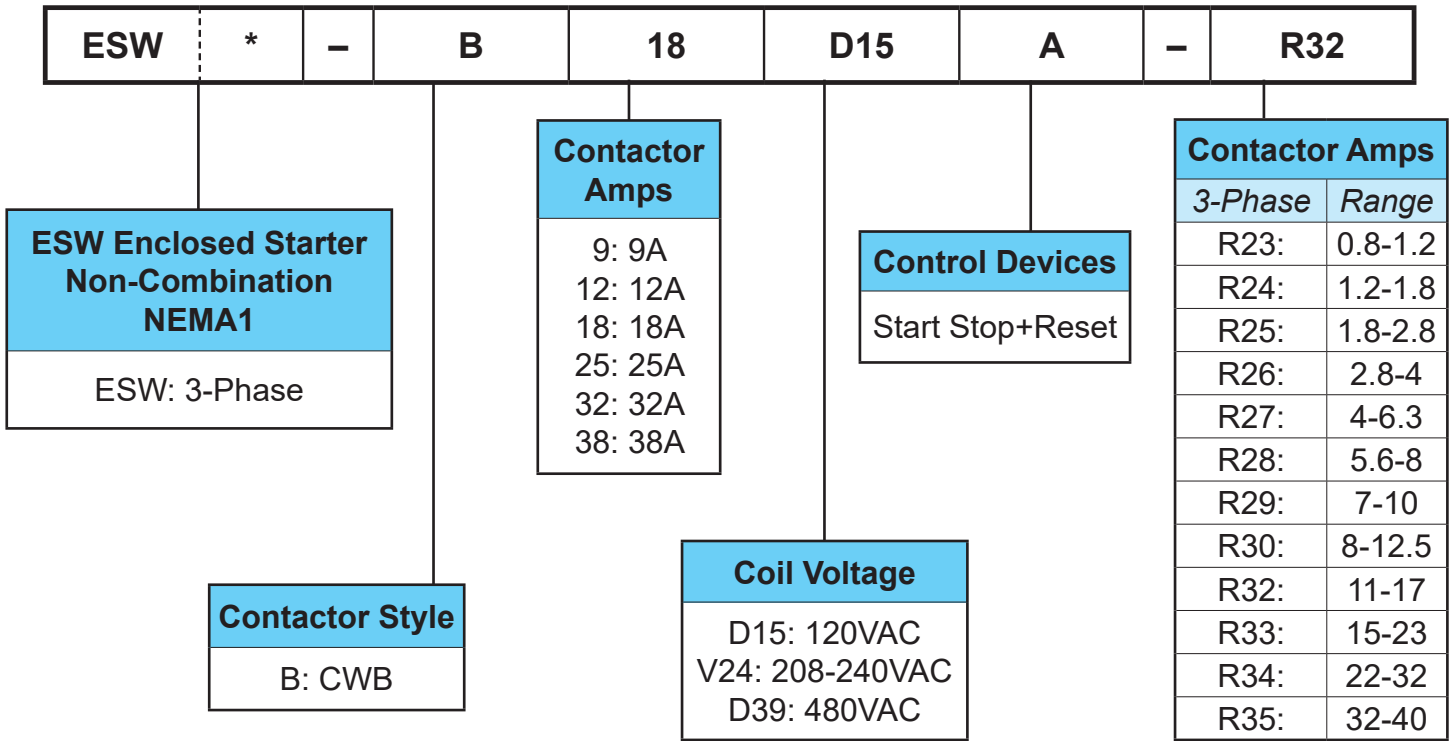
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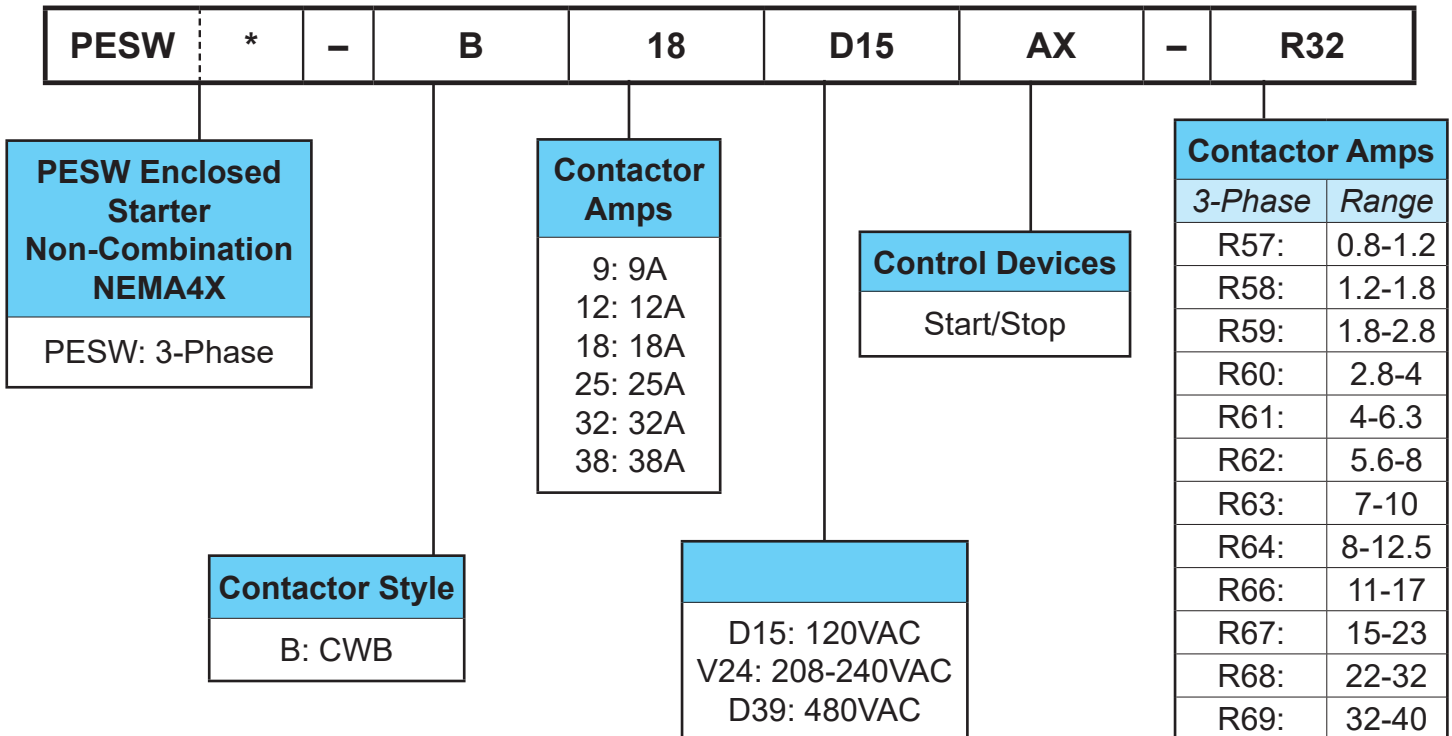
ESW/PESW

Non-Combination Enclosed Starters

ESW Part Number Breakdown



PESW Part Number Breakdown



Tables intended as reference only and not to create part numbers.



ESW/PESW Non-Combination Enclosed Starters

ESW Series Non-combination Across The Line Starter – 3-Phase – Enclosure Type-1									
START/STOP + RESET		Coil Voltage	Max. UL Horsepower				Box	Setting Range	Dimensional Drawing
Part Number	Price		200V	230V	460V	575V			
ESW-B9D15A-R23		120						PDF	
ESW-B9V24A-R23		208-240	-	-	1/2	1/2	M04	0.8 - 1.2	PDF
ESW-B9D39A-R23		480						PDF	
ESW-B9D15A-R24		120						PDF	
ESW-B9V24A-R24		208-240	-	-	3/4	1	M04	1.2 - 1.8	PDF
ESW-B9D39A-R24		480						PDF	
ESW-B9D15A-R25		120						PDF	
ESW-B9V24A-R25		208-240	1/2	1/2	1	2	M04	1.8 - 2.8	PDF
ESW-B9D39A-R25		480						PDF	
ESW-B9D15A-R26		120						PDF	
ESW-B9V24A-R26		208-240	3/4	3/4	2	3	M04	2.8 - 4.0	PDF
ESW-B9D39A-R26		480						PDF	
ESW-B9D15A-R27		120						PDF	
ESW-B9V24A-R27		208-240	1	1 1/2	3	5	M04	4.0 - 6.3	PDF
ESW-B9D39A-R27		480						PDF	
ESW-B9D15A-R28		120						PDF	
ESW-B9V24A-R28		208-240	2	2	5	5	M04	5.6 - 8.0	PDF
ESW-B9D39A-R28		480						PDF	
ESW-B9D15A-R29		120						PDF	
ESW-B9V24A-R29		208-240	2	3	5	7 1/2	M04	7.0 - 10	PDF
ESW-B9D39A-R29		480						PDF	
ESW-B12D15A-R30		120						PDF	
ESW-B12V24A-R30		208-240	3	3	7 1/2	10	M04	8.0 - 12.5	PDF
ESW-B12D39A-R30		480						PDF	
ESW-B18D15A-R32		120						PDF	
ESW-B18V24A-R32		208-240	3	5	10	15	M04	11 - 17	PDF
ESW-B18D39A-R32		480						PDF	
ESW-B25D15A-R33		120						PDF	
ESW-B25V24A-R33		208-240	5	7 1/2	15	15	M04	15 - 23	PDF
ESW-B25D39A-R33		480						PDF	
ESW-B32D15A-R34		120						PDF	
ESW-B32V24A-R34		208-240	10	10	20	25	M04	22 - 32	PDF
ESW-B32D39A-R34		480						PDF	
ESW-B38D15A-R35		120						PDF	
ESW-B38V24A-R35		208-240	10	-	25	-	M04	32-40	PDF
ESW-B38D39A-R35		480						PDF	

Note: 3-phase starters can be wired for single-phase applications (see single-phase conversion diagrams).



ESW/PESW Non-Combination Enclosed Starters

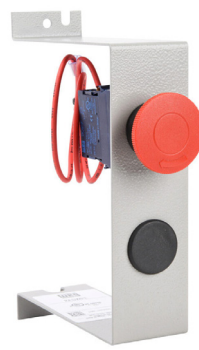
Field Modification Kits for ESW/ESWS Series					
Part Number	Price	Description	Structure		Dimensional Drawing
			Top	Bottom	
KESWPP		No Pilot Device Metal Brackets - 2 x 22mm holes w/ plugs	PLUG	PLUG	PDF
KESWHP		Hand-Off-Auto Selector Switch	HAND - OFF - AUTO	PLUG	PDF
KESWFP		Off-On Selector Switch	OFF - ON	PLUG	PDF
KESWPE		E-stop	PLUG	E-STOP	PDF



KESWHP



KESWFP



KESWPE



KESWPP

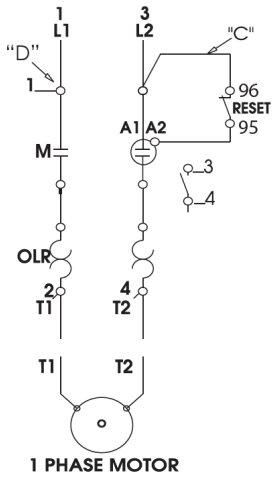


ESW

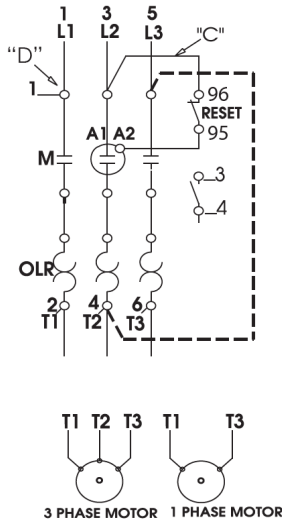
Non-Combination Enclosed Starters

Wiring Diagram

Single-phase Starter



Three-phase Starter



Conversion to single-phase: Add jumper wire from L3 to T2 (follow dotted line connection above).

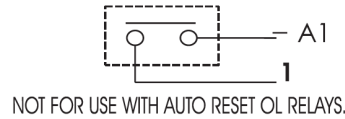
Note: See CWB contactor specs for single phase ratings

Separate Control

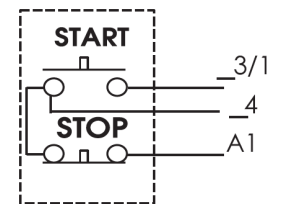
For separate control, remove wires C and D if supplied and connect separate control lines to terminal 96 on the overload relay and to terminal 3 on the Aux contact block (for 3-wire control) or to the contactor coil A1 (for 2-wire control).

Pilot Devices

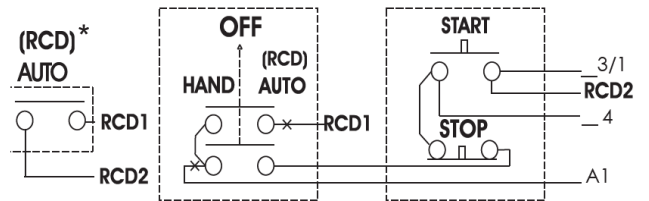
Two-Wire Control



Three-Wire Control



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



* RCD is a customer-supplied remote control device

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")	-	-

Dimensions (approximate in [mm])				
Enclosed Starters	Enclosure Size			
	Box	H	W	D
ESW(S) 9, 12, 18, 25, 32, 38	M04	9.5 [241.3]	5.5 [139.7]	5 [127]





PESW Non-Combination Across the Line Enclosed Starters

PESW Series - Non-Combination Across the Line Starter – Three-Phase Enclosure Type - 4X									
START/STOP + RESET		Coil Voltage	Max. UL Horsepower				Size	Setting Range	Dimensional Drawing
Part Number	Price		200V	230V	460V	575V			
PESW-B9D15AX-R57		120						PDF	
PESW-B9V24AX-R57		208-240	-	-	1/2	1/2	05	0.8 - 1.2	
PESW-B9D39AX-R57		480						PDF	
PESW-B9D15AX-R58		120						PDF	
PESW-B9V24AX-R58		208-240	-	-	3/4	1	05	1.2 - 1.8	
PESW-B9D39AX-R58		480						PDF	
PESW-B9D15AX-R59		120						PDF	
PESW-B9V24AX-R59		208-240	1/2	1/2	1	2	05	1.8 - 2.8	
PESW-B9D39AX-R59		480						PDF	
PESW-B9D15AX-R60		120						PDF	
PESW-B9V24AX-R60		208-240	3/4	3/4	2	3	05	2.8 - 4.0	
PESW-B9D39AX-R60		480						PDF	
PESW-B9D15AX-R61		120						PDF	
PESW-B9V24AX-R61		208-240	1	1 1/2	3	5	05	4.0 - 6.3	
PESW-B9D39AX-R61		480						PDF	
PESW-B9D15AX-R62		120						PDF	
PESW-B9V24AX-R62		208-240	2	2	5	5	05	5.6 - 8.0	
PESW-B9D39AX-R62		480						PDF	
PESW-B9D15AX-R63		120						PDF	
PESW-B9V24AX-R63		208-240	2	3	5	7 1/2	05	7.0 - 10	
PESW-B9D39AX-R63		480						PDF	
PESW-B12D15AX-R64		120						PDF	
PESW-B12V24AX-R64		208-240	3	3	7 1/2	10	05	8.0 - 12.5	
PESW-B12D39AX-R64		480						PDF	
PESW-B18D15AX-R66		120						PDF	
PESW-B18V24AX-R66		208-240	3	5	10	15	05	11 - 17	
PESW-B18D39AX-R66		480						PDF	
PESW-B25D15AX-R67		120						PDF	
PESW-B25V24AX-R67		208-240	5	7 1/2	15	15	05	15 - 23	
PESW-B25D39AX-R67		480						PDF	
PESW-B32D15AX-R68		120						PDF	
PESW-B32V24AX-R68		208-240	10	10	20	25	05	22 - 32	
PESW-B32D39AX-R68		480						PDF	
PESW-B38D15AX-R69		120						PDF	
PESW-B38V24AX-R69		208-240	10	-	25	-	05	32-40	
PESW-B38D39AX-R69		480						PDF	

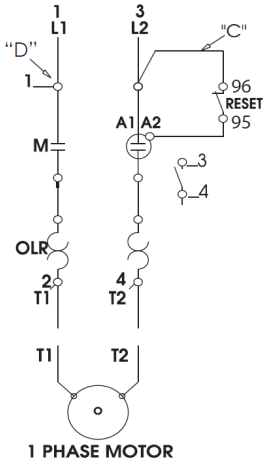


PESW

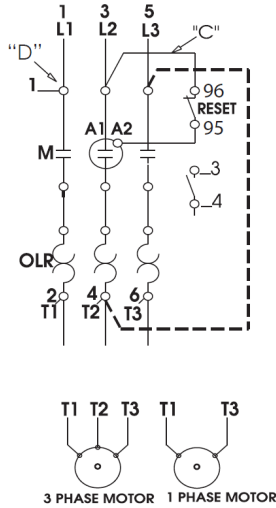
Non-Combination Enclosed Starters

Wiring Diagram

Single-phase Starter



Three-phase Starter

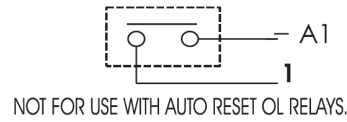


Separate Control

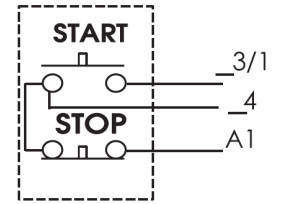
For separate control, remove wires C and D if supplied and connect separate control lines to terminal 96 on the overload relay and to terminal 3 on the Aux contact block (for 3-wire control) or to the contactor coil A1 (for 2-wire control).

Pilot Devices

Two-Wire Control



Three-Wire Control



Note: See CWB contactor specs for single phase ratings

Conversion to single-phase: Add jumper wire from L3 to T2 (follow dotted line connection above).

Dimensions

Size 05 (mm [in])	
øA = 5.5 [0.2165]	
B = 219.0 [8.622]	
C = 112 [4.4331]	
D = 114.0 [4.4882]	
E = 217 [8.5433]	

Cable Knock-Outs	Standard	
	Top and Bottom	Back
Size 05	2x øPG13.5 or 2x ø20/25 mm	2 x øPG9 or 2x ø16 mm

Technical Data	
Standard	IEC/EN 60947
Operating Temperature	-20°C to +55°C [-4°F to +131°F]
Storage Temperature	-50°C to +80°C [-58°F to +176°F]
Degree of Protection	IP65/66
Mechanical Lifespan	1x10 ⁶ operations
Electrical Lifespan	1x10 ⁶ operations
Maximum Number of Operations Per Hour	15 (limited by the thermal overload relay)
Certifications	CE, ANCE, EAC, ICONTEC, IRAM
Thermoplastic Enclosed Material (Cover and Base)	VO (fire retardant)
UV Protection	Yes (indoor or outdoor use)

