

Pump panels

NEMA rated



ABB

Pump Panels NEMA rated



General information

The ABB Nema rated Combination Pump panel starter provides a reliable means of starting a 3 phase AC motor for applications that include irrigation and oil field pumps.

A16 – A260

- NEMA sizes 0 – 5
- Available with fusible disconnect or MCCB
- Standard auxiliary contact configuration
- Double break contact design
- Operates over a extended voltage range of 85% to 110% of rated control voltage
- UL Listed
- Control power transformer provided with dual primary fuses

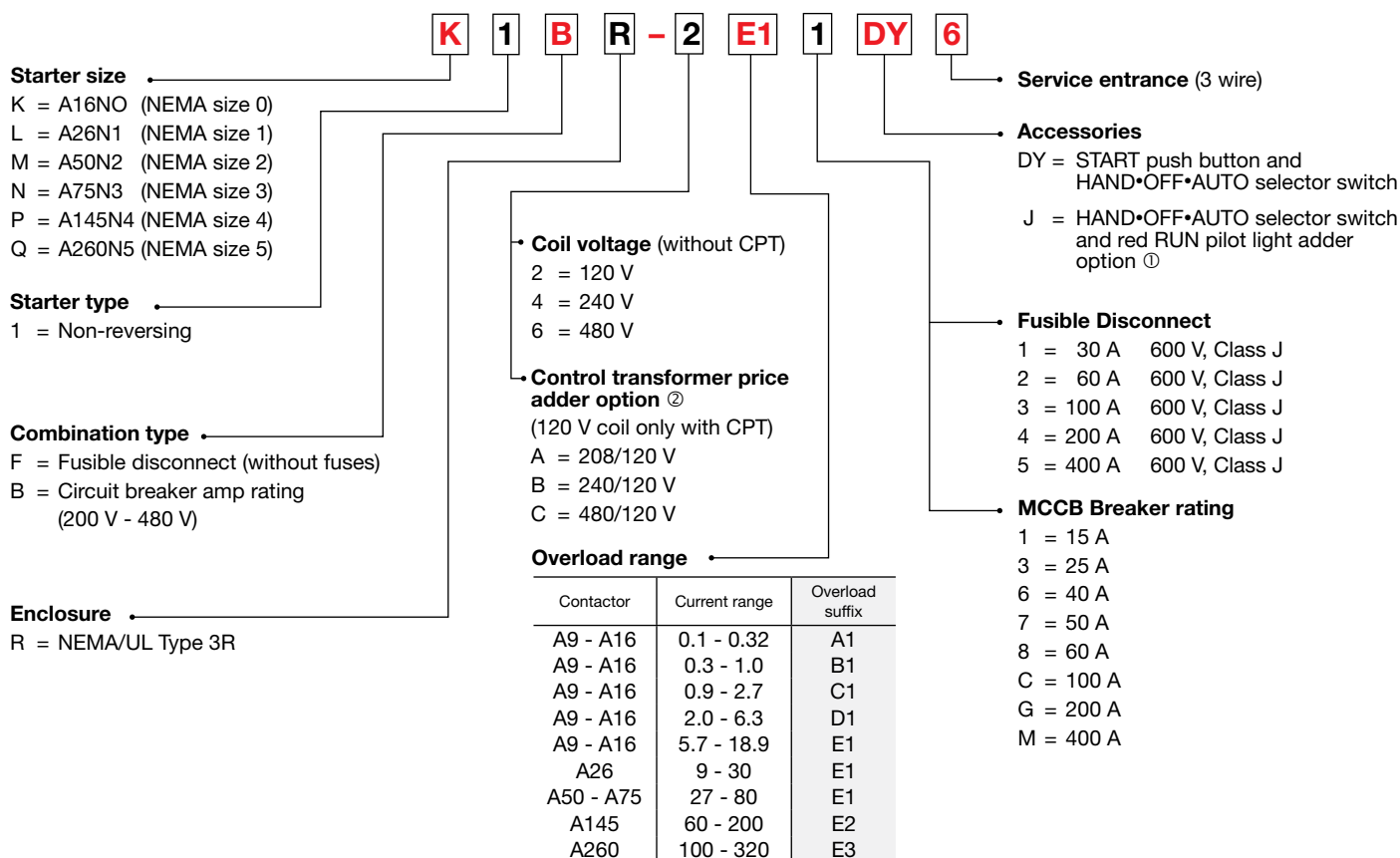
Enclosure type

- NEMA 3R

Overload relay protection

- Starters, sizes A16 – A260 , have an electronic overload with tripping class selectable 10, 20, and 30

Catalog number explanation



① See Cover options chart on page 3.

② See Control transformer list price options chart on page 3.

Pump Panels

NEMA rated

Pump Panels

Fusible disconnect type

NEMA size	Contactor size	NEMA continuous amp rating	NEMA motor horsepower ratings			NEMA 3R (Outdoor Metal)		
			200V	230V	480V	Fuse clip rating amp/volts	Catalog number	List price
0	A16	18	3	3	5	30/600	K1FR-2Δ1DY6	\$ 1,266
1	A26	27	7.5	7.5	10	30/600	L1FR-2Δ1DY6	1,387
		27				60/600	L1FR-2Δ2DY6	1,387
2	A50	45	10	15	25	60/600	M1FR-2Δ2DY6	2,107
		90			50	100/600	N1FR-2Δ3DY6	2,628
3	A75	90	25	30	100	200/600	N1FR-2Δ4DY6	3,052
		90				200	400/600	Q1FR-2Δ5DY6
4	A145	135	40	50	100	200/600	P1FR-2Δ4DY6	5,391
5	A260	270	75	100	200	400/600	Q1FR-2Δ5DY6	10,143

Δ - Replace the Δ with the overload suffix found in the Electronic overload suffix chart.

MCCB Breaker type

NEMA size	Contactor size	NEMA continuous amp rating	NEMA motor horsepower ratings			NEMA 3R (Outdoor Metal)		
			200V	230V	480V	MCCB frame size	Catalog number	List price
0	A16	18	3	3	5	See Selections Below	K1BR-2Δ‡DY6	\$ 1,311
1	A26	27	7.5	7.5	10		L1BR-2Δ‡DY6	1,410
2	A50	45	10	15	25		M1BR-2Δ‡DY6	2,129
3	A75	90	25	30	50		N1BR-2Δ‡DY6	3,074
4	A145	135	40	50	100		P1BR-2Δ‡DY6	5,443
5	A260	270	75	100	200		Q1BR-2Δ‡DY6	10,550

Δ - Replace the Δ with the overload suffix found in the Electronic overload suffix chart.

‡ - Replace the ‡ with the circuit breaker suffix code found in the MCCB Breaker rating options chart.

Electronic overload suffix

Contactor	Current range	Overload suffix
A9 - A16	0.1 - 0.32	A1
A9 - A16	0.3 - 1.0	B1
A9 - A16	0.9 - 2.7	C1
A9 - A16	2.0 - 6.3	D1
A9 - A16	5.7 - 18.9	E1
A26	9 - 30	E1
A50 - A75	27 - 80	E1
A145	60 - 200	E2
A260	100 - 320	E3

Example: K1FP - 2Δ1J6 (Replace Δ with overload suffix)
K1FP - 2A11J6

MCCB Breaker rating options

Circuit breaker amp rating (200 V - 480 V)	Circuit breaker suffix code
15 A	1
25 A	3
40 A	6
50 A	7
60 A	8
100 A	C
200 A	G
400 A	M

Example: K1BP - 2A1‡J6 (Replace ‡ with MCCB suffix)
K1BP - 2A11J6

Cover options

Suffix	Description	Price adder
DY	HOA sel sw + START PB	Standard ①
J	HOA sel sw + Red "RUN" Pilot light	\$ 99

Example: K1BP - 2A11DY6 (Replace DY suffix with J suffix)
K1BP - 2A11J6 (add \$99 to price of unit)

Control transformer options

Hz	Type	Volts (Pri / Sec)		
50/60	A / AF	200 - 208 / 120 V	240 / 120 V	460-480 / 120 V
		A	B	C

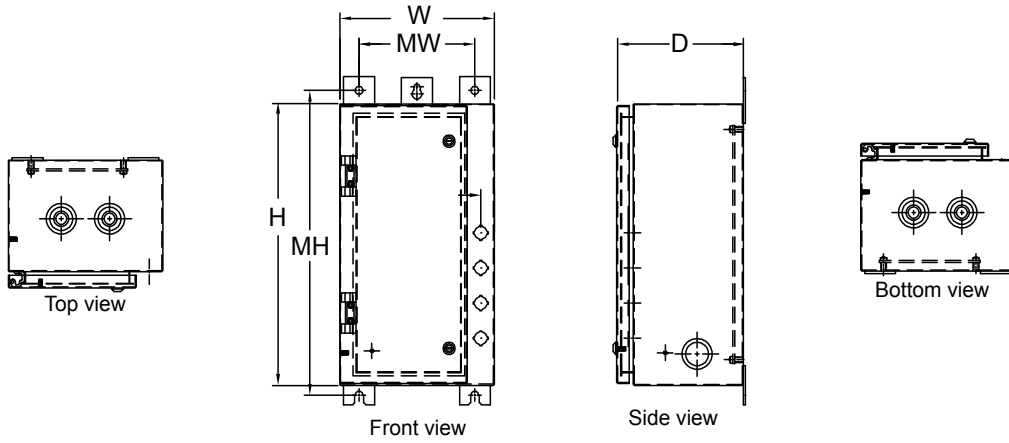
Example: K1BP - 2A11DY6
(Replace 2 suffix with A, B or C for control transformer)

Control transformer list price adders

Contactor size	VA rating	Price adder
A16 - A40	50	\$ 360
A50 - A75	75	435
A110	100	560
A145	150	720
A260	250	795

① Included in unit price.

Approximate dimensions Fusible and circuit breaker across the line



Combination fusible and circuit breaker across the line with or without CCT

Starter size	Enclosure type	H	W	D	MH Mtg. Height	MW Mtg. Height	Weight
A16 - A26	3R ②	18	10	8	19.5	7.5	33
A50 - A75	3R ②	24	12.5	8	24.5	10	51
A145	3R ②	36	24	12	37.5	21.5	54
A260	3R ②	48	24	13	49.5	21.5	54

① Dimensions subject to change; please consult factory for construction dimensions.
 ② Same as C except KO's only on bottom of enclosure.



ABB Inc.
 1206 Hatton Road
 Wichita Falls, TX 76302
 Telephone 888-385-1221; 940-397-7000
 Fax 940-397-7085
<http://www.abb-control.com>