

# 100-D Contactors with Electronic Coil

Switch one or multiple large contactors (up to 500kW) with one low level signal source

MOTOR CONTROL AND DRIVES





## 100-D Contactors with Electronic Coil

The entire 100-D contactor line can be equipped with electronically controlled coils that reduce pick-up currents by 60% on average.

Other advantages include:

- Direct connection to a PLC
- No contact "chatter" because of defined pick-up and drop-out voltages
- Wide voltage tolerance providing flexibility
- Built-in suppression circuits (eliminating interference from the coil)

### Electronic Interface Operation – "EI" Mode

"EI" mode allows the 100-D contactors to be switched from a low-level signal source (13...30.2V DC) without the need of an interposing relay. The contactor is programmed for "EI" mode by moving the orange jumper on the load side of the contactor as shown below:



Remove the cap



Ensure the jumper is across the bottom two pins

In the "EI" mode, apply 240V AC permanently on to terminals A1 & A2 (415 & 110V AC version also available). The control signal from the low-level signal source must be applied to terminals B1 & B2 (orange terminals) of the electronic interface in order to energise the contactor.

**The maximum current draw of the interface is 15 mA.**

### Technical Data:

AC 3 400/415 V kW	AC 3 400/415 V Amps	AC 3 690 V kW	AC 1 Amps 40° C	Cat.No. <sup>1)</sup>
75	130	111	250	<b>100-D115EA11</b>
90	155	132	250	<b>100-D140EA11</b>
110	180	135	250	<b>100-D180EA11</b>
132	225	205	350	<b>100-D210EA11</b>
150	258	250	350	<b>100-D250EA11</b>
185	315	300	450	<b>100-D300EA11</b>
250	420	425	540	<b>100-D420EA11</b>
355	630	500	800	<b>100-D630EA11</b>
500	860	600	1000	<b>100-D860EA11</b>

<sup>1)</sup> For 415V AC, replace EA with EN. For 110V AC, replace EA with ED.

Comprehensive range of accessories available, contact NHP for details.



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