

A range of compact block contactors with heavy duty, double break, silver alloy faced contacts and integral rectified magnet system for silent operation. 3 and 4 pole loads up to 20A at 415V A.C. can be accommodated.

## FEATURES

- Three or Four normally open main poles
- Up to 20A A.C. resistive and 10A lighting load per pole
- Triple pole version has detachable neutral link
- Rectified control circuit for silent operation
- 230V 50/60Hz control voltage as standard
- Integral control circuit protection via H.R.C. fuse link.
- Open type or IP42 sheet steel enclosure
- IP66 steel enclosure also available
- DIN rail mounting version also available
- Manufactured to BS EN 60947-4-1

Alternative A.C. or D.C. control voltages can be supplied to special order. Details on application.



## STANDARD CONTACTOR UNITS

STYLE	OPEN TYPE	DIN RAIL MOUNTING	ENCLOSED
Triple Pole	<b>4ETPN20/10U</b>	<b>4ETPN20/10D</b>	<b>4ETPN20/10E</b>
Four Pole	<b>4EFP20/10U</b>	<b>4EFP20/10D</b>	<b>4EFP20/10E</b>

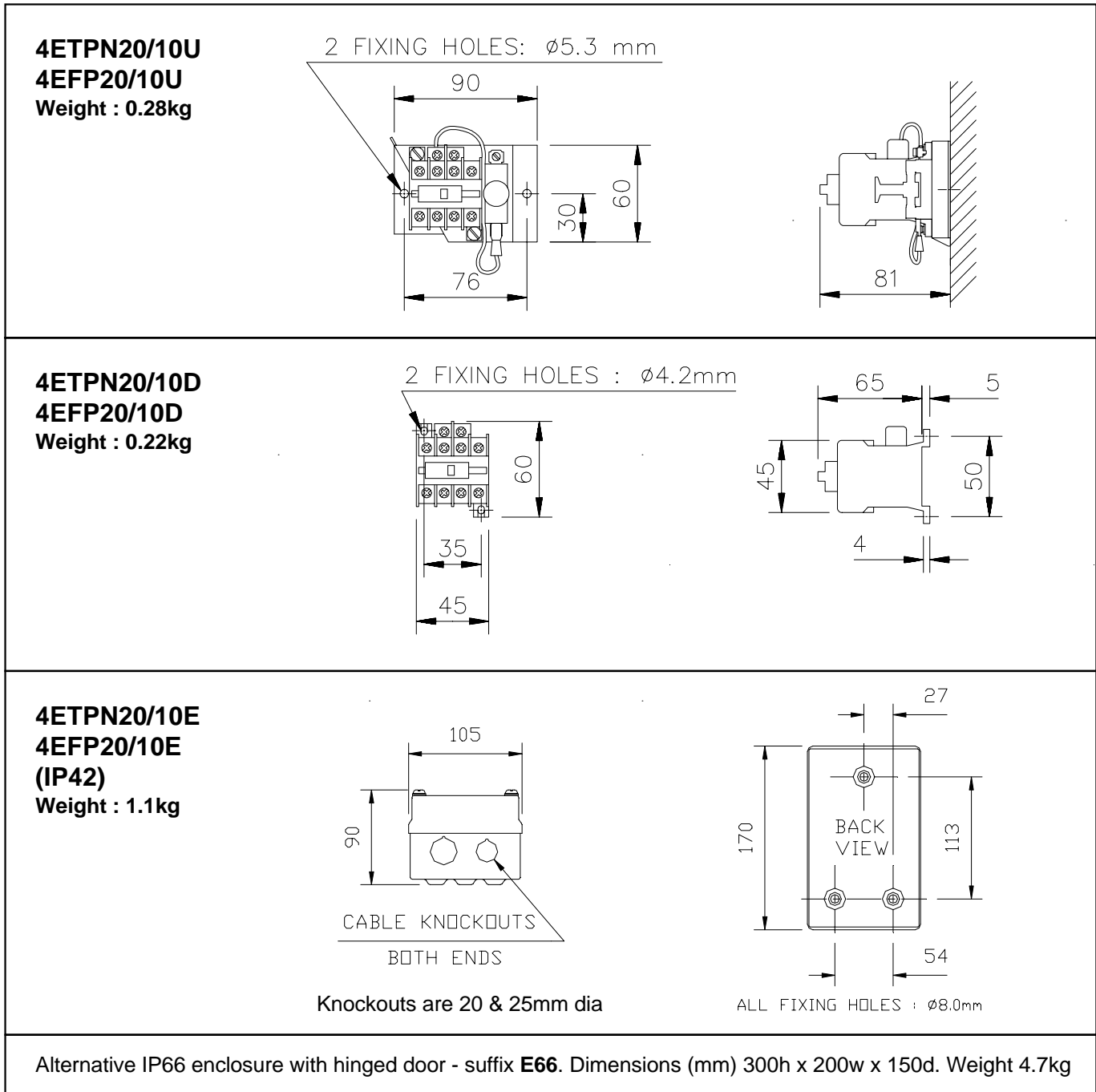
## SPECIFICATION

CONTACT RATING at 415V 50/60Hz		TERMINAL SIZES	COIL CONSUMPTION
Load type	Amps per pole		3VA
Heating (AC1)	20	Main, Neutral and Control terminals:- Cage clamps suitable for 1 x 6mm <sup>2</sup> or 2 x 4mm <sup>2</sup>	OPERATING TIMES
Lighting	10		Pull-in (coil cold) : 12-25ms
Sodium Lighting	5		Drop-out : 28-41ms
Motor (AC3)	11		

## CONTROL CIRCUIT DIAGRAMS

<p><b>4ETPN20/10U</b> <b>4EFP20/10U</b> <b>4ETPN20/10E</b> <b>4EFP20/10E</b></p> <p>Semiconductor diodes, integral with the coil assembly ensure silent operation from an A.C. control supply. The integral voltage dependent resistor protects the circuit from transient voltage spikes.</p>	<p><b>4ETPN20/10D</b> <b>4EFP20/10D</b></p>
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## OUTLINE DIMENSIONS (mm)



## RELATED PRODUCTS

Enbray Contactors has a well established name for reliable electrical load management and manufactures a wide range of load switching devices ranging from miniature pulse operated devices up to 1250A fully automatic changeover systems.

Specific customer requested configurations can be produced which are supplied with all control wiring in place and therefore require the minimum of installation time. These include Safety Contactors, Emergency Changeover Systems, Multipole contactors, Contactors with normally closed main poles etc. Details on request

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