

TYPE : 2J CONTACTORS



A range of clapper contactors offering reliable switching with access to inspect and maintain contacts and coil. 2, 3 or 4 pole loads from 32 to 63A and at up to 500V A.C. or D.C. can be accommodated.

FEATURES

- Choice of 2,3 or 4 normally open main poles
- Up to 63 Amps resistive and 40 Amps lighting load per pole
- Rectified control circuit for silent operation
- 230V 50/60Hz control voltage as standard
- Integral control circuit protection via H.R.C. fuse link.
- Neutral terminal on triple pole types
- Open type or IP42 sheet steel enclosure
- IP66 steel enclosure also available
- Manufactured to BS EN 60947-4-1



Alternative A.C or D.C control voltages, D.C load switching and auxiliary contacts available as factory fitted options

STANDARD CONTACTOR UNITS

| | DOUBLE POLE | | TRIPLE POLE & FIXED NEUTRAL | | FOUR POLE | |
|-----|-------------|------------|-----------------------------|-------------|------------|------------|
| | OPEN TYPE | ENCLOSED | OPEN TYPE | ENCLOSED | OPEN TYPE | ENCLOSED |
| 32A | 2JDP32/16U | 2JDP32/16E | 2JTPN32/16U | 2JTPN32/16E | 2JFP32/16U | 2JFP32/16E |
| 45A | 2JDP45/20U | 2JDP45/20E | 2JTPN45/20U | 2JTPN45/20E | 2JFP45/20U | 2JFP45/20E |
| 63A | 2JDP63/40U | 2JDP63/40E | 2JTPN63/40U | 2JTPN63/40E | 2JFP63/40U | 2JFP63/40E |

FACTORY FITTED OPTIONS

| AUXILIARY CONTACTS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add the reference AUX1 for a single pole changeover auxiliary contact block. Maximum one per contactor. |
| DC LOAD SWITCHING |
| This is achieved by the use of permanent magnetic blowouts in place of the conventional arcchutes. Add the option DCL to the contactor reference |

| ALTERNATIVE CONTROL VOLTAGES | | | |
|--------------------------------------------------------------------------------------------------------------|--------------|-----------------------|--------------|
| Standard units have 230V A.C. control voltage. Add the option from the list below to the contactor reference | | | |
| A.C. CONTROL VOLTAGES | | D.C. CONTROL VOLTAGES | |
| Voltage | Reference | Voltage | Reference |
| 12V a.c | 12AC | 12V d.c | 12DC |
| 24V a.c | 24AC | 24V d.c | 24DC |
| 50V a.c | 50AC | 50V d.c | 50DC |
| 110-125V a.c | 110AC | 110-125V d.c | 110DC |
| 415V a.c | 415AC | 220-250V d.c | 220DC |
| Details on request for control voltages not listed above | | | |

ORDERING EXAMPLE Standard Reference

2J TPN 45/20 E

Contactor type _____
 Number of main poles (Triple pole + Neutral terminal) _____
 Main contact rating (45A resistive, 20A lighting) _____
 Enclosure (U for unenclosed type) _____

Factory Fitted Options

+DCL +AUX1 +110DC

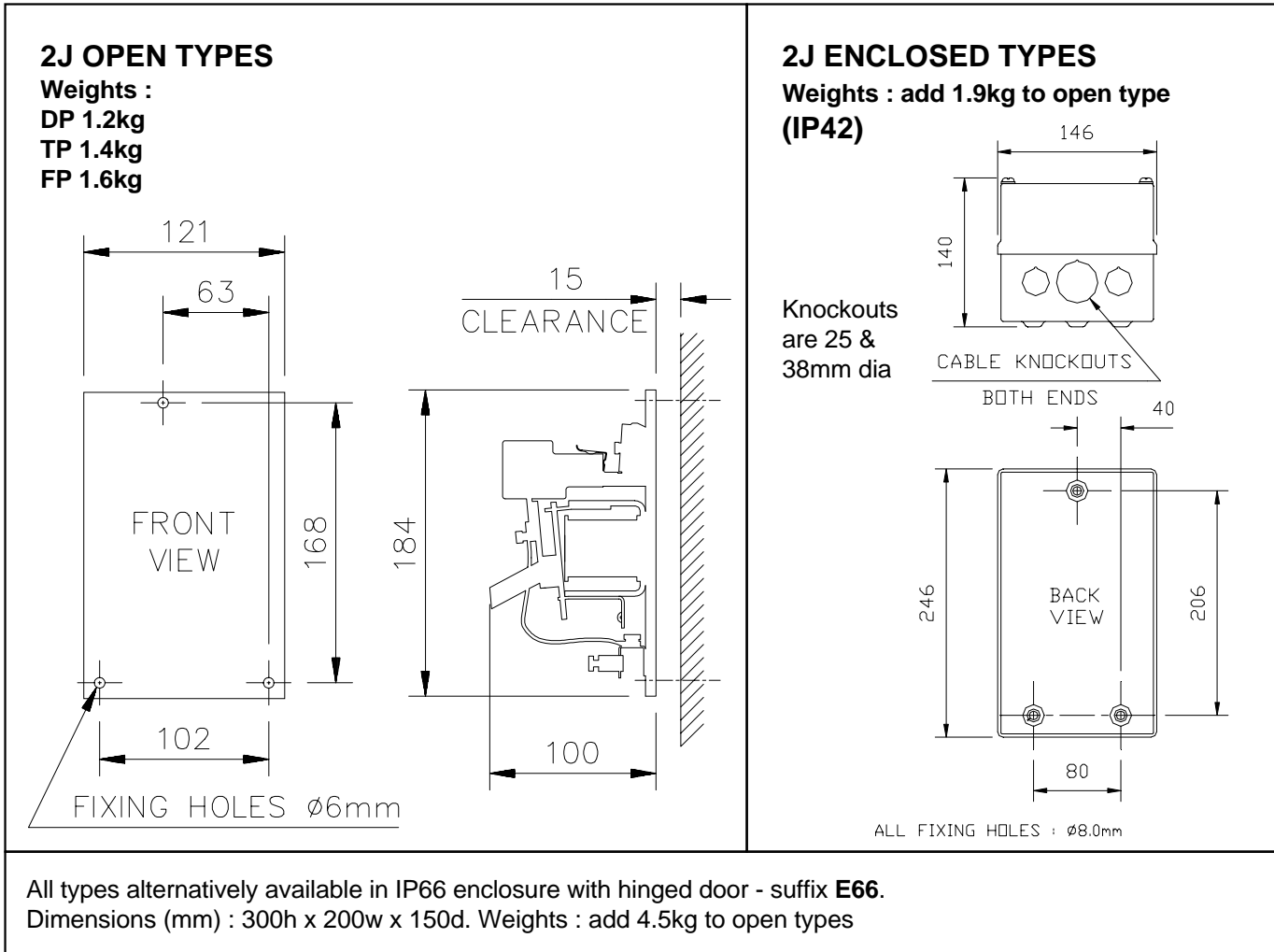
_____ Alternative Control Voltage (110-125V d.c.)
 _____ Auxiliary contacts (Single pole changeover)
 _____ D.C. load switching

SPECIFICATION

| CONTACT RATING at 500V A.C. or D.C. | | | |
|--------------------------------------------|-------|-------|-------|
| LOAD TYPE | 32/16 | 45/20 | 63/40 |
| HEATING (AC1, DC1) | 32A | 45A | 63A |
| LIGHTING | 16A | 20A | 40A |
| SODIUM LIGHTING | 10A | 13A | 20A |
| MOTOR (AC3, DC3) | | | 32A |
| CAPACITOR (A.C.) | | 20A | 32A |
| TRANSFORMER (A.C.) | | | 25A |

| AUXILIARY CONTACT RATING | |
|-----------------------------------------------------------------------|-----------------------------------------------------------|
| SINGLE POLE CHANGEOVER CONTACT - AVAILABLE AS A FACTORY FITTED OPTION | 10A at 250V A.C. 10A at 30V D.C. 0.25A at 250V D.C. |
| TERMINAL CABLE SIZES | |
| CONTROL SCREW CLAMP | 1 x 2.5mm ² |
| MAIN CAGE CLAMP | 1 x 25mm ² or 2 x 16mm ² |
| NEUTRAL CAGE CLAMP | 2 x 16mm ² |
| COIL CONSUMPTION | |
| | A.C.-11VA D.C.-8W |

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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