COOPER Bussmann

TYPE : 2J CONTACTORS

ENBRAY

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 arc-chutes. 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

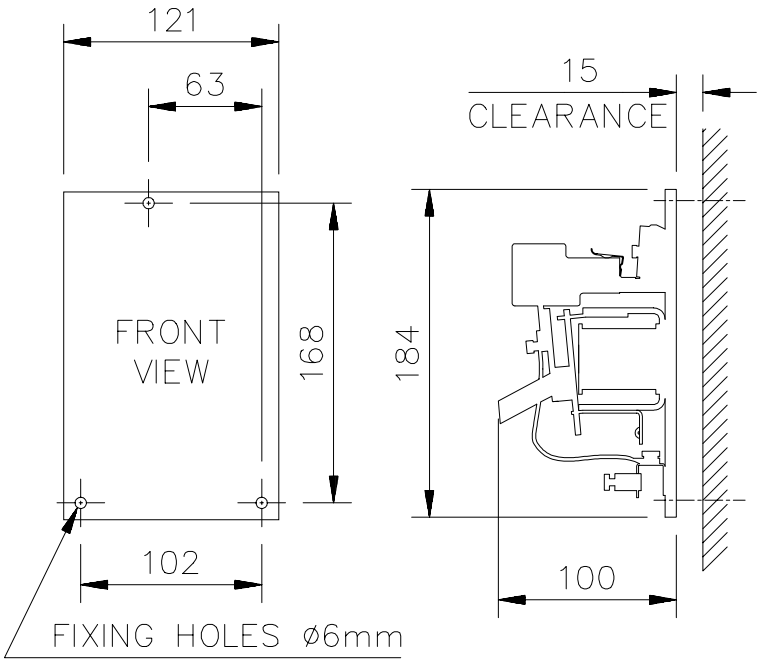
CONTACT RATING at 500V A.C. or D.C.			
LOAD TYPE	32/16	45/20	63/40
HEATING (AC1, DC1)	32A	45A	63A
LIGHTING	16A	20A	40A
SODIUM LIGHTING	10A	13A	20A
MOTOR (AC3, DC3)			32A
CAPACITOR (A.C.)		20A	32A
TRANSFORMER (A.C.)			25A

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)

2J OPEN TYPES

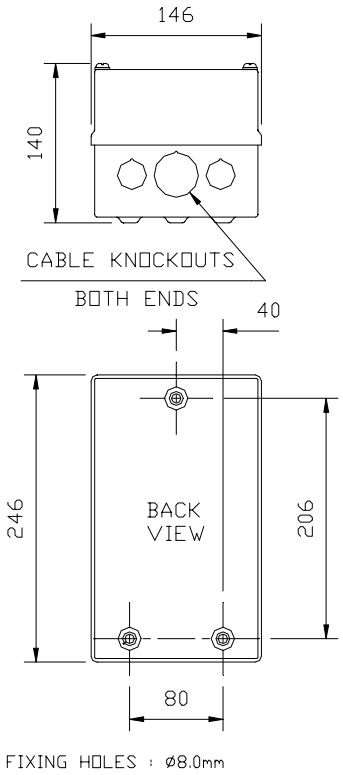
Weights :
DP 1.2kg
TP 1.4kg
FP 1.6kg



2J ENCLOSED TYPES

Weights : add 1.9kg to open type
(IP42)

Knockouts are 25 & 38mm dia



All types alternatively available in IP66 enclosure with hinged door - suffix **E66**.
Dimensions (mm) : 300h x 200w x 150d. Weights : add 4.5kg to open types

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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