

# TYPE : 2W2 CONTACTORS

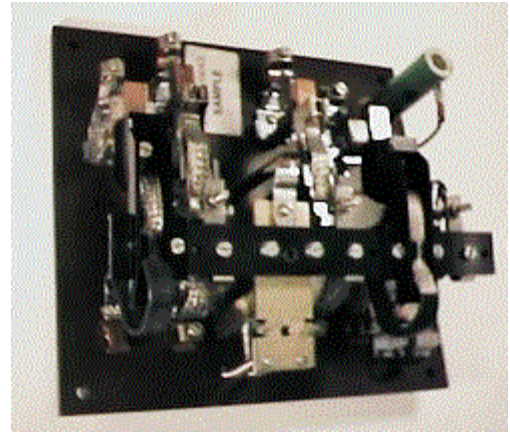


A range of clapper contactors offering reliable switching with access to inspect and maintain contacts and coil. Primarily for use where normally closed main poles are required. 100A loads at up to 500V A.C. or D.C. can be accommodated.

## FEATURES

- 1 to 8 normally open or normally closed main poles
- Up to 100 Amps resistive and 63 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.
- Open type or IP42 and IP66 sheet steel enclosures
- 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  
A mechanically latched version of the 2W2 contactor is also available. Details on request.



## STANDARD CONTACTOR UNITS

POLES		ENCLOSED TYPE
N/O	N/C	
0	1	<b>2W20-1P100/63E</b>
0	2	<b>2W20-2P100/63E</b>
0	3	<b>2W20-3P100/63E</b>
0	4	<b>2W20-4P100/63E</b>

POLES		ENCLOSED TYPE
N/O	N/C	
1	1	<b>2W21-1P100/63E</b>
1	2	<b>2W21-2P100/63E</b>
2	2	<b>2W22-2P100/63E</b>
4	4	<b>2W24-4P100/63E</b>

For Unenclosed units (open type) use the suffix **U** in place of the **E** given above.  
Other main poles arrangements are available on request to a maximum of 8 poles. Use type 2W4 for 1-4 n/o poles.

## FACTORY FITTED OPTIONS

AUXILIARY CONTACTS
1 to 4 auxiliary blocks with 1 n/o + 1 n/c contacts may be fitted. Add the reference <b>AUX</b> plus the number of blocks required.
DC LOAD SWITCHING
This is achieved by the use of permanent magnetic blowouts in place of the conventional arcchutes. Add the option <b>DCL</b> 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	<b>12AC</b>	12V d.c	<b>12DC</b>
24V a.c	<b>24AC</b>	24V d.c	<b>24DC</b>
50V a.c	<b>50AC</b>	50V d.c	<b>50DC</b>
110-125V a.c	<b>110AC</b>	110-125V d.c	<b>110DC</b>
415V a.c	<b>415AC</b>	220-250V d.c	<b>220DC</b>
Details on request for control voltages not listed above			

## ORDERING EXAMPLE Standard Reference

**2W2 1-2P 100/63 E**

Contactor type \_\_\_\_\_  
 Number of main poles \_\_\_\_\_  
 (1 normally open + 2 normally closed)  
 Main contact rating (100A resistive, 63A lighting) \_\_\_\_\_  
 Enclosure (U for unenclosed type) \_\_\_\_\_

## Factory Fitted Options

**+DCL +AUX1 +110DC**

\_\_\_\_\_ Alternative Control Voltage  
 (110-125V d.c.)  
 \_\_\_\_\_ Auxiliary contacts  
 (1 n/o + 1 n/c)  
 \_\_\_\_\_ D.C. load switching

## SPECIFICATION

<b>CONTACT RATING at 500V A.C. or D.C.</b>	
LOAD TYPE	AMPS PER POLE
HEATING (AC1, DC1)	100A
LIGHTING	63A
SODIUM LIGHTING	40A
MOTOR (AC3, DC3)	40A
CAPACITOR (A.C.)	30A
TRANSFORMER (A.C.)	40A

<b>TERMINAL CABLE SIZES</b>	
CONTROL	1 x 2.5mm <sup>2</sup>
MAIN CAGE CLAMP	1 x 50mm <sup>2</sup> or 2 x 16mm <sup>2</sup>

<b>AUXILIARY CONTACT RATING</b>				
1 OR 2 BLOCKS COMPRISING 1 N/O + 1 N/C AVAILABLE AS A FACTORY FITTED OPTION			5A at 250V A.C. 2A at 440V A.C. 0.1A at 220V D.C.	

<b>COIL CONSUMPTION</b>				
NUMBER OF POLES	IN-RUSH		SEALED	
	AC	DC	AC	DC
1 - 2	60VA	50W	28VA	22W
3 - 4	100VA	88W	36VA	30W
5 - 8	100VA	88W	42VA	35W

## OUTLINE DIMENSIONS (mm)

<b>OPEN TYPES (Side View)</b>	<b>1 - 2 POLE Weight 2.0kg</b>	<b>3 - 4 POLE Weight 3.1kg</b>	<b>5 - 6 POLE Weight 5.1kg</b>	<b>7 - 8 POLE Weight 6.2kg</b>
<p><b>ENCLOSED (IP42) 1 - 2 POLE</b> Weight : Add 2.7kg</p> <p>Knockouts are 25 &amp; 38mm dia</p>	<p><b>ENCLOSED (IP42) 3 - 4 POLE</b> Weight : Add 4.0kg</p> <p>Knockouts are 25mm dia</p>	<p><b>ENCLOSED 5- 8 POLE</b> has IP66 enclosure with hinged door. Adds 15.1kg to open type weight</p> <p>Dimensions (mm) 400h x 600w x 207d</p> <p><b>ENCLOSED 1 - 4 POLE</b> alternatively available in IP66 enclosure with hinged door - suffix <b>E66</b>. Adds 8.6kg to open type weight</p> <p>Dimensions (mm) 400h x 300w x 207d</p>		

## 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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