

# TYPE : 2W4 CONTACTORS



A range of clapper contactors offering reliable switching with access to inspect and maintain contacts and coil. 1 to 4 pole 100A loads at up to 500V A.C. or D.C. can be accommodated.

#### **FEATURES**

1 to 4 normally open 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. Neutral terminal on single and triple pole types Open type or IP42 sheet steel enclosure Also available in IP66 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



## STANDARD CONTACTOR UNITS

MAIN	100A RATED		80A RATED
POLES	OPEN TYPE	ENCLOSED	COMPACT ENCLOSURE
1	2W4SPN100/63U	2W4SPN100/63E	
2	2W4DP100/63U	2W4DP100/63E	2W4DP80/63E
3	2W4TPN100/63U	2W4TPN100/63E	2W4TPN80/63E
4	2W4FP100/63U	2W4FP100/63E	

### FACTORY FITTED OPTIONS

#### AUXILIARY CONTACTS

1 or 2 auxiliary blocks with 1 n/o + 1 n/c contacts may be fitted. Add the reference **AUX** plus the number of blocks required.

#### DC LOAD SWITCHING

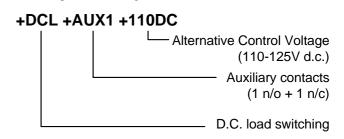
This is achieved by the use of permanent magnetic blowouts in place of the conventional arcchutes. Add the option **DCL** to the contactor reference

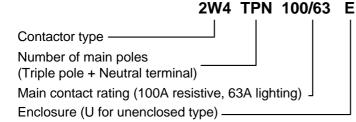
ALTERNATIVE CONTROL VOLTAGES							
Standard units have 230V A.C. control voltage. Add the option from the list below to the contactor reference							
A.C. CONTROL VOLTAGES		D.C. CONTROL VOLTAGES					
Voltage Reference		Voltage	Reference				
12V a.c 24V a.c 50V a.c 110-125V a.c 415V a.c	12AC 24AC 50AC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

### **ORDERING EXAMPLE** Standard Reference

Standard Reference

#### **Factory Fitted Options**



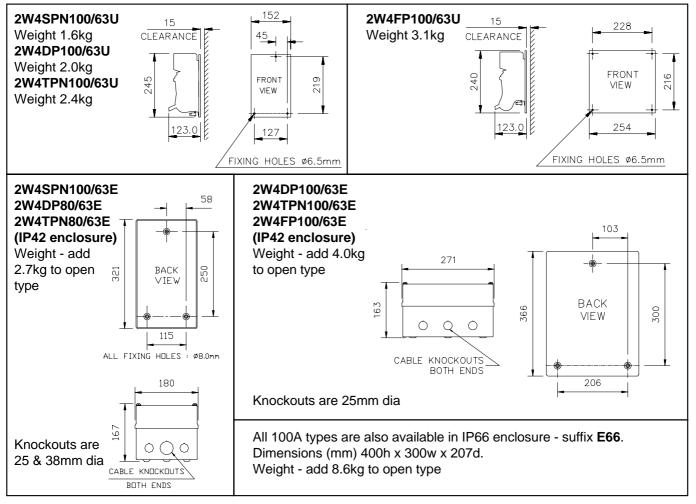


#### **SPECIFICATION**

CONTACT RATING at 500V A.C. or D.C.				
LOAD TYPE	AMPS PER POLE	1		
HEATING (AC1, DC1)	100A		1	
LIGHTING	63A		F.	
SODIUM LIGHTING	40A		Т	
MOTOR (AC3, DC3)	40A		С	
CAPACITOR (A.C.)	30A			
TRANSFORMER (A.C.)	40A		N	

AUXILIARY CONTACT RATING					
1 OR 2 BLOCKS COMPRISING		5A at 250V A.C.			
1 N/O + 1 N/C AVAILABLE AS A		2A at 440V A.C.			
FACTORY FITTED OPTION		0.1A at 220V D.C.			
TERMINAL CABLE SIZES					
CONTROL SCREW CLAMP	1 x	2.5mm <sup>2</sup>			
MAIN CAGE CLAMP	CAGE CLAMP 1 x 50mm <sup>2</sup> or 2 x 16mm <sup>2</sup>				
NEUTRAL CAGE CLAMP 1 x 25mm <sup>2</sup> o		25mm <sup>2</sup> or 2 x 10mm <sup>2</sup>			
COIL CONSUMPTION	A.0	C.15VA D.C.12.5W			

### **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

# **ENBRAY - Cooper Bussmann**

Burton-on-the-Wolds Leicestershire LE12 5TH England

Tel: +44 (0) 1509 882600 Fax: +44 (0) 1509 882786

 Technical/Application Helpline

 Tel:
 +44 (0) 1946 839000

 Fax:
 +44 (0) 1946 833000



E-mail: contactors@bussmann.co.uk Web: http://www.enbray.co.uk