

TYPE : 2D CONTACTORS

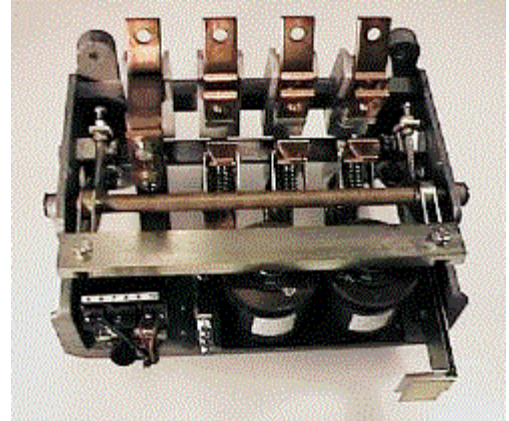


A range of compact clapper contactors offering reliable switching with access to maintain contacts and coils. One to four pole loads from 160A to 315A at 500V A.C. can be accommodated.

FEATURES

- 1 to 4 normally open main poles
- Up to 315 Amps resistive and 250 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.
- Auxiliary contact block as standard
- Neutral link on single and triple pole types
- Open type or IP66 sheet steel enclosure
- Manufactured to BS EN 60947-4-1

Alternative A.C or D.C control voltages, main terminal extensions and additional auxiliary contacts available as factory fitted options



STANDARD CONTACTOR UNITS

MAIN POLES	160A RATING
	ENCLOSED TYPE
1	2DSPN160/125E
2	2DDP160/125E
3	2DTPN160/125E
4	2DFP160/125E

MAIN POLES	250A RATING
	ENCLOSED TYPE
1	2DSPN250/160E
2	2DDP250/160E
3	2DTPN250/160E
4	2DFP250/160E

MAIN POLES	315A RATING
	ENCLOSED TYPE
1	2DSPN315/250E
2	2DDP315/250E
3	2DTPN315/250E
4	2DFP315/250E

For Unenclosed units (open type) use the suffix **U** in place of the **E** given above.

A mechanically latched version of the 2D contactor is also available. Details on request.

FACTORY FITTED OPTIONS

AUXILIARY CONTACTS
1 auxiliary block with 1 n/o + 1 n/c contacts is fitted as standard. Up to 6 more blocks may be fitted. Add the reference AUX plus the number of additional blocks required.
TERMINAL EXTENSIONS
A set of extensions can be fitted to facilitate the cabling of supply and load by increasing the distance between pole centres. These give holes for an M10 screw and are standard on 315A types. Add the reference TEX on lower rated types

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

2D TPN 160/125 E

Contactor type _____
 Number of main poles _____
 (Triple pole with fixed neutral)
 Main contact rating (160A resistive, 125A lighting)
 Enclosure (U for unenclosed type) _____

Factory Fitted Options

+TEX +AUX1 +110DC

_____ Alternative Control Voltage
 (110-125V d.c.)
 _____ Additional auxiliary contacts
 (1 n/o + 1 n/c)
 _____ Main terminal extensions

SPECIFICATION

CONTACT RATING at 500V A.C			
LOAD TYPE	160/125	250/160	315/250
HEATING (AC1)	160A	250A	315A
LIGHTING	125A	160A	250A
SODIUM LIGHTING	63A	80A	125A
MOTOR (AC3)	125A	160A	250A
CAPACITOR	125A	160A	250A
TRANSFORMER	125A	160A	250A

TERMINAL CABLE SIZES	
CONTROL	1 x 2.5mm ²
MAIN AND NEUTRAL	
160 & 250A TYPES :	LUG WITH M8 SCREW
315A TYPE :	12.7mm FIXING HOLE

AUXILIARY CONTACT RATING				
BLOCK COMPRISING 1 N/O + 1 N/C FITTED AS STANDARD. UP TO 7 MORE BLOCKS AVAILABLE AS A FACTORY FITTED OPTION (6 ON 315A TYPES)			5A at 250V A.C. 2A at 440V A.C. 0.1A at 220V D.C.	

COIL CONSUMPTION				
CONTACT RATING	IN-RUSH		SEALED	
	AC	DC	AC	DC
160A	-	-	50VA	46W
250A	-	-	50VA	46W
315A	560VA	470W	25VA	23W

OUTLINE DIMENSIONS (mm)

<p>OPEN TYPES</p> <p>Weights* : SPN - 7.5kg DP - 7.9kg TP - 8.9kg FP - 9.3kg</p> <p>TERMINAL SPACING 45, 68 WITH EXTENSIONS</p>	<p>NOTES</p> <p>ON 160 AND 250A TYPES: -</p> <p>2-4 ADDITIONAL AUXILIARY BLOCKS ADD 42mm TO THE WIDTH</p> <p>5-7 ADDITIONAL AUXILIARY BLOCKS ADD 84mm TO THE WIDTH</p> <p>ON 315A TYPES: -</p> <p>1-3 ADDITIONAL AUXILIARY BLOCKS ADD 42mm TO THE WIDTH</p> <p>4-6 ADDITIONAL AUXILIARY BLOCKS ADD 84mm TO THE WIDTH</p> <p>* Note that 315A types weigh 0.8kg more than 160A and 250A types</p>
<p>ENCLOSED TYPES</p> <p>All enclosed types are fitted in an IP66 enclosure with door. Dimensions (mm): 600h x 400w x 307d. Weight: add 18.1kg to open types</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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