

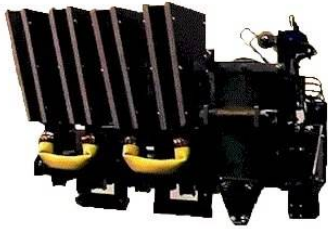
2K



HEATING AND LIGHTING TYPE: 2K CONTACTOR

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 OR DC LOADS ARE REQUIRED. 315A LOADS AT UP TO 500V AC OR DC.

FEATURES



- 1 to 4 normally open or normally closed 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
- 2 n/o + 2 n/c auxiliary contacts fitted as standard
- Open type or IP42 sheet steel enclosure
- Manufactured to BS EN 60947-4-1

STANDARD CONTACTOR UNITS

POLES		ENCLOSED TYPE	POLES		ENCLOSED TYPE
N/O	N/C		N/O	N/C	
1	0	2KSPN315/250E	1	1	2K1-1P315/250E
2	0	2KDP315/250E	1	2	2K1-2P315/250E
3	0	2KTPN315/250E	2	1	2K2-1P315/250E
4	0	2KFP315/250E	2	2	2K2-2P315/250E

For Unenclosed units (open type) use the suffix U in place of the E given above.
 Other main poles arrangements are available on request. Use type 2D for 1-4 n/o poles with AC loads.
 Note that the normally closed poles are 250A rated. Use type 2T for contactors with only normally closed poles.

FACTORY FITTED OPTIONS

AUXILIARY CONTACTS

2 auxiliary blocks with 1 n/o + 1 n/c contacts are fitted as standard. Up to 4 more 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 arc-chutes. Add the option **DCL** to the contactor reference.

ALTERNATIVE CONTROL VOLTAGES

Standard units have 230V AC control voltage. Add the option from the list below to the contactor reference

AC CONTROL VOLTAGES		DC CONTROL VOLTAGES	
Voltage	Reference	Voltage	Reference
12V AC	12AC	12V DC	12DC
24V AC	24AC	24V DC	24DC
50V AC	50AC	50V DC	50DC
110-125V AC	110AC	110-125V DC	110DC
415V AC	415AC	220-250V DC	220DC

Details on request for control voltages not listed above

ORDERING EXAMPLE

Standard Reference	Factory Fitted Option	
2K TPN 315/250 E	+DCL +AUX1 +110DC	
Contactor type _____	_____	Alternative Control Voltage (110-125V DC)
Number of main poles _____ (Triple pole with fixed neutral)	_____	Auxiliary contacts (1 n/o + 1 n/c)
Main contact rating (315A resistive, 250A lighting)	_____	DC Load switching
Enclosure (U for unenclosed type) _____		

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SPECIFICATION

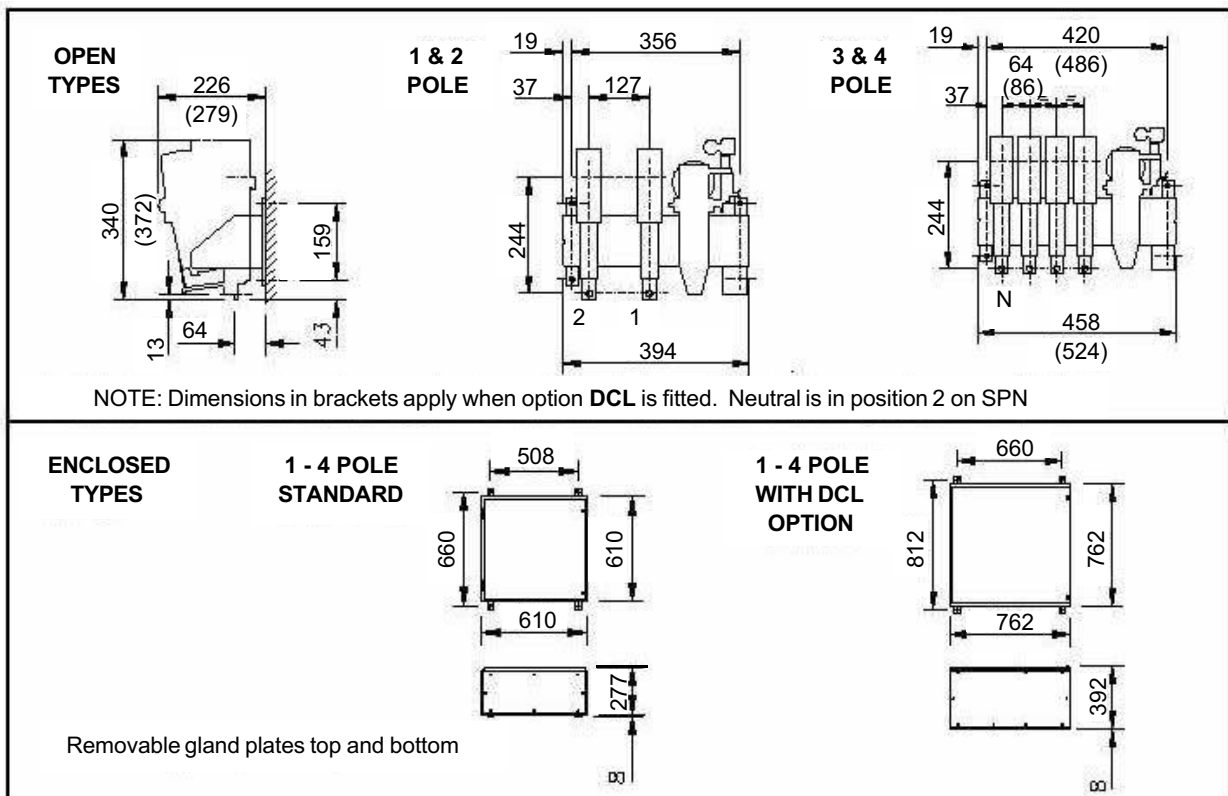
CONTACT RATING at 500V AC or DC		
LOAD TYPE	N/O	N/C
HEATING (AC1, DC1)	315A	250A
LIGHTING	250A	160A
SODIUM LIGHTING	125A	80A
MOTOR (AC3, DC3)	250A	80A
CAPACITOR	250A*	100A*
TRANSFORMER	250A*	125A*

* Specify DCL for DC & Inductive Loads

TERMINAL CABLE SIZES	
Control	1 or 2 x 2.5mm ²
Main	13.5mm Hole In 29mm Copper

AUXILIARY CONTACT RATING			
Up to 2 Blocks with 1 n/o + 1 n/c can be specified per pole		500V AC - 5A 250V DC 2.5A resistive 1.25A with 10ms t.c	
COIL CONSUMPTION			
IN-RUSH		SEALED	
AC: 165VA	DC: 150W	AC: 33VA	DC: 30W

OUTLINE DIMENSIONS (mm)



RELATED PRODUCTS

Enbray has a well established name for reliable electrical load management and manufactures a wide range of load switching devices ranging from miniture 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 available on request.