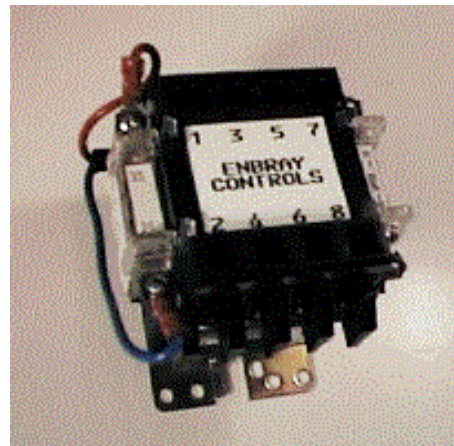


A range of compact block contactors with double break, silver alloy contacts rated at 32A 600V A.C. with a wide choice of A.C. and D.C. control voltages.

FEATURES

4 main poles
32A AC1 resistive and 16A AC3 motor load per pole
Wide range of A.C. and D.C. control voltages
Screw clamp terminations for cables up to 6mm²
Optional 35mm DIN rail mounting
Up to 2 n/o and 2 n/c auxiliary contacts
Mechanically interlocked pairs available, type 229
Also available in IP42 or IP66 enclosure

Note that one auxiliary is used by the control circuit when D.C. or rectified control is specified and that these types are therefore limited to a maximum of 1 n/o + 1 n/c auxiliaries available to the user.



ORDERING EXAMPLE

D 129 A 4 D U F 003 - 107 E

DIN rail mounting _____
(No entry for standard)

Contactor type _____

A = standard type, E = rectified coil _____

D = DC switching, 2 poles in series per line

Number of main poles (see table) _____

E= IP42 steel enclosure
E66=IP66 steel enclosure
(no entry for unenclosed type)
Coil Reference (see table)
Auxiliary contact arrangement (see table)
F= Tropicalised coil (no entry for standard type)
D = D.C. control (no entry for A.C.)

Mechanically interlocked pairs of contactors are also available. Select from the standard references below but substitute **229** for **129** in the given part number. Note that DIN rail mounting is not available on interlocked units.

| TYPES AVAILABLE - A.C. CONTROL | | | |
|--------------------------------|-------------|-----|--------------------|
| MAIN POLES | AUXILIARIES | | ORDERING REFERENCE |
| | N/O | N/C | |
| 4 | 0 | 0 | 129A4U |
| 4 | 1 | 1 | 129A4U003 |
| 4 | 2 | 2 | 129A4U033 |
| RECTIFIED A.C. CONTROL | | | |
| MAIN POLES | AUXILIARIES | | ORDERING REFERENCE |
| | N/O | N/C | |
| 4 | 0 | 0 | 129E4U |
| 4 | 1 | 1 | 129E4U003 |
| D.C. CONTROL | | | |
| MAIN POLES | AUXILIARIES | | ORDERING REFERENCE |
| | N/O | N/C | |
| 4 | 0 | 0 | 129A4DU |
| 4 | 1 | 1 | 129A4DU003 |
| D.C. CONTROL, D.C. LOAD | | | |
| MAIN POLES | AUXILIARIES | | ORDERING REFERENCE |
| | N/O | N/C | |
| 2 | 0 | 0 | 129D2DU |
| 2 | 1 | 1 | 129D2DU003 |

| COIL REFERENCES (for rectified A.C. use the equivalent D.C. coil) | | | | | | | |
|---|---------|------------|------------------|------|------------|------------------|-------------|
| A.C. on standard base | | | A.C. on DIN base | | | D.C. either base | |
| Voltage | Freq | Ref | Voltage | Freq | Ref | Voltage | Ref |
| 24 | 50/60Hz | -74 | 110 | 50Hz | -78 | 12-15 | -102 |
| 48-55 | 60Hz | -76 | 240 | 50Hz | -84 | 24-30 | -103 |
| 110 | 50/60Hz | -79 | 380 | 50Hz | -86 | 30-40 | -104 |
| 220-250 | 50Hz | -80 | 440 | 60Hz | -89 | 36-48 | -105 |
| 220-250 | 60Hz | -81 | | | | 48-65 | -106 |
| 220 | 50/60Hz | -82 | | | | 110-135 | -107 |
| 250 | 50/60Hz | -95 | | | | 220-250 | -108 |
| 380-440 | 50Hz | -86 | | | | | |
| 440 | 50/60Hz | -90 | | | | | |
| 440-500 | 60Hz | -89 | | | | | |

Coils for voltages other than those listed above are also available - details on request.

| ADDITIONAL ITEM REFERENCES | |
|--|-------------------|
| Spare coils : Add reference from the table to the part no. MSA1666- | |
| Spare set of contacts (4 pole) | MSA129130K |
| Side auxiliary switch (1 n/o + 1 n/c) | MSA129137K |
| Economy auxiliary switch (1 n/c late break) | MSA129138K |
| 2 pole link kit - four links per kit | MSA129334K |

SPECIFICATION

| CONTACT RATING at 600V A.C. | | |
|-----------------------------|------|------------|
| LOAD TYPE | AMPS | kW at 415V |
| HEATING (AC1) | 32 | 11 |
| LIGHTING | 20 | |
| MOTOR (AC2) | 22 | |
| MOTOR (AC3) | 16 | |
| MOTOR (AC4) | 12 | 6 |
| STAR-DELTA | 28 | 15 |
| DC RESISTIVE* | 32 | |

* 2 POLES IN SERIES PER LINE FOR DC

| TERMINAL CABLE SIZES |
|---|
| SADDLE CLAMP FOR 1 x 6mm ² CABLE |
| COIL CONSUMPTION |
| A.C. : 54VA in-rush, 11VA hold-in D.C. : 75W in-rush, 1.5W hold-in |
| AUXILIARY CONTACT RATING |
| MAX 5A A.C. : 1000VA INDUCTIVE LOAD |
| MECHANICAL LIFE : >5 x 10 ⁶ OPS |

OUTLINE DIMENSIONS (mm) : DIN rail mounting adds 6mm to the depths shown

| | |
|---|--|
| <p>TYPE : 129 - SINGLE CONTACTORS Weight : 0.5kg</p> <p>3 FIXING HOLES \varnothing 4.8mm</p> | <p>ENCLOSED TYPES IP42 SHEET STEEL ENCLOSURE - SUFFIX E</p> <p>TYPE : 129 Weight : 2.4kg</p> <p>CABLE KNOCKOUTS BOTH ENDS</p> <p>Knockouts are 25 & 38mm dia</p> <p>TYPE : 229 Weight : 4.2kg</p> <p>CABLE KNOCKOUTS BOTH ENDS</p> <p>Knockouts are 25 & 38mm dia</p> <p>ALTERNATIVE IP66 SHEET STEEL ENCLOSURE WITH HINGED DOOR - SUFFIX E66 ALL TYPES: 300h x 200w x 150d Weight : add 4.5kg to open types</p> |
| <p>TYPE : 229 - MECHANICALLY INTERLOCKED PAIRS Weight : 1.5kg</p> <p>4 FIXING HOLES \varnothing 4.8mm</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

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>