



LA9D09981

LA4F...

#### Suppressor blocks <sup>(1)</sup>

##### RC circuits (resistor-capacitor)

- Effective protection for circuits highly sensitive to "high frequency" interference. For use only in cases where the voltage is virtually sinusoidal, i.e. less than 5 % total harmonic distortion.
- Voltage limited to 3  $U_c$  max. and oscillating frequency limited to 400 Hz max.
- Slight increase in drop-out time (1.1 to 1.3 times the normal time).

| Mounting                                            | Uc |             | Reference |
|-----------------------------------------------------|----|-------------|-----------|
| Clip-on mounting on all ratings and all a.c. coils. | ~  | 24...48 V   | LA4FRCE   |
|                                                     |    | 50...110 V  | LA4FRCF   |
|                                                     |    | 127...240 V | LA4FRCP   |
|                                                     |    | 265...415 V | LA4FRCV   |
| Suppressor block bracket                            |    |             | LA9D09981 |

##### Varistors (peak limiting)

- Protection provided by limiting the transient voltage to 2  $U_c$  max.
- Maximum reduction of transient voltage peaks.

|                                                |          |             |        |
|------------------------------------------------|----------|-------------|--------|
| Clip-on mounting on all ratings and all coils. | ~ or --- | 24...48 V   | LA4FVE |
|                                                |          | 50...110 V  | LA4FVF |
|                                                |          | 127...240 V | LA4FVP |
|                                                |          | 265...415 V | LA4FVV |

##### Diodes

- No overvoltage or oscillating frequencies.
- Increase in drop-out time (3 to 4 times the normal time).
- Polarised component.

|                                                     |     |             |        |
|-----------------------------------------------------|-----|-------------|--------|
| Clip-on mounting on all ratings and all d.c. coils. | --- | 24...48 V   | LA4FDE |
|                                                     |     | 55...110 V  | LA4FDF |
|                                                     |     | 280...440 V | LA4FDV |

##### Bidirectional peak limiting diodes (transil)

- Protection provided by limiting the transient voltage to between 2 and 2.5 times  $U_c$  max.
- Maximum reduction of transient voltage peaks.

|                                                |          |             |        |
|------------------------------------------------|----------|-------------|--------|
| Clip-on mounting on all ratings and all coils. | ~ or --- | 24...48 V   | LA4FTE |
|                                                |          | 50...110 V  | LA4FTF |
|                                                |          | 127...240 V | LA4FTP |
|                                                |          | 265...415 V | LA4FTV |

<sup>(1)</sup> Order 2 x LA4F... for F780, F1000, F1400, F1700, F2100 & F2600 contactors and connect one suppressor block across each coil.