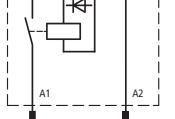
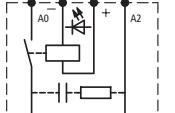
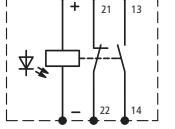
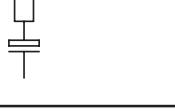


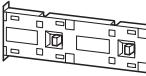
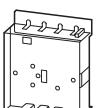
Accessories

Interface Modules, Suppressors

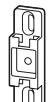
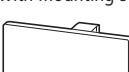
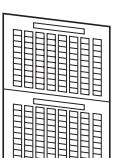
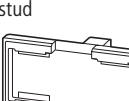
| Output Pilot duty rating | Actuating voltage actuating current | For use with relays | Type | Price |
|---|--|---|---|---|
| AC A | DC A | V DC/mA | Article No. | see price list |
| Interface modules, plug-in type | | | | |
|  | B 300 | R 300 | 24/11 |  DIL R.. VS1DIL 055480 |
| With integral suppressor circuit | B 300 | R 300 | 24/11 |  DIL R.. VS2DIL 057853 |
| Amplifier module for separate mounting | | | | |
|  | B 300 | 24/25 |  As required | ETS4-VS3 083094 |
| Drop-out delay mechanism | | | | |
|  | 24/- |  DIL E... | TDDILE24 090200 | Lengthens the drop-out time of an electro-magnet. For use with DILER(M) with DC oper- ated coil only. Drop-out delay with auxiliary contacts: 100ms, without: 130 ms |
| Suppressors | | | | |
| Varistor suppressors | | | | |
|  | 24 – 48 V |  DIL E... | VGDILE48 010320 | For AC operated 50-60 Hz relays only. DC operated de- vices have built-in surge suppressors. |
| | 110 – 250 V | | VGDILE250 010336 | |
| | 380 – 415 V | | VGDILE415 010463 | |
|  | 24 – 48 V |  DIL E...-C | VGDILE48-C 230265 | |
| | 110 – 250 V | | VGDILE250-C 230266 | |
| | 12 – 24 V |  DIL R... | VGBDIL24 076837 | For AC operated 50-60 Hz and DC operated relays . |
| | 24 – 48 V | | VGBDIL48 071609 | |
| | 110 – 250 V | | VGBDIL250 071610 | |
| | 380 – 415 V | | VGBDIL415 071611 | |
| RC suppressors | | | | |
|  | 24 – 48 V |  DIL E... | RCDILE48 044264 | For AC operated 50-60 Hz relays |
| | 110 – 250 V |  DIL E... | RCDILE250 046320 | |
| | 24 – 48 V |  DIL E...-C | RCDILE48-C 230267 | |
| | 110 – 250 V | | RCDILE250-C 230268 | |
| | 24 – 48 V |  DIL R... | RCBDIL48 067345 | |
| | 110 – 250 V | | RCBDIL250 069718 | |
| | 380 – 415 V | | RCBDIL415 072091 | |
| Free-wheel diode suppressor | | | | |
|  | 12 – 250 V |  DIL R... | FDBDIL 074464 | For DC operated relays Longer drop-out delay of coil should be taken into consid- eration |

Accessories

UL / CSA / IEC / CE

| | For use with | Type | Price | |
|---|---|---|--------------------------------------|---|
| | | Article No. | see price list | |
| Spacers | | | | |
|  | Provides a mechanical link between groups of components to better secure them when mounted and wired together in an assembly. | DIL E... DIL ET... | VODILE 026634 | No spacing between devices |
|  | | DIL R... ETR4 | VODIL 010772 | No spacing between devices |
|  | | DIL R... ETR4 | V5/15DIL 013145 | 5 mm device spacing 15 mm device spacing when using mechanical interlock |
| Mechanical Interlock | | | | |
|  | | DIL E... | MVDILE 010113 | To mechanically interlock two AC or DC operated devices mounted either horizontally or vertically. No spacing between devices. Mechanical lifespan 2.5 million operations Additional auxiliary contact mounting is possible |
| Paralleling bridge | | | | |
|  | for parallel connection of auxiliary contacts | DIL E... ...DIL E DIL R ...DIL | BT480 ¹⁾ 052785 | Not insulated Standard quantity: 100 |
| Connection tabs for fast-on connectors DIN 46 244 | | | | |
|  | For auxiliary contacts and coil connections | DIL E... DIL ET... DIL R... | BT483 ¹⁾ 059904 | Use connectors with insulated sleeves Standard quantity: 100 |
| Tamper-proof cover | | | | |
|  | Transparent | DIL E... DIL ET... | HDILE 010482 | Cover snap-fits onto the device and can be sealed to prevent tampering. IP 40 environmental rating. Cover may also be drilled to provide access to the DIL ET timer adjustment dial. |
|  | | TPE TPD | PL-DIL 036073 | Cover is fastened via a screw. Sealable to prevent access. |

¹⁾ must be ordered in standard quantity.

| For use with | Type | Price | |
|--|--|--|---|
| | | | Article No. |
| Remote potentiometer IP 66 | | | see price list |
|  | 10 kΩ 0.5 W max. DIL ET... ETR4-70 | M22-R10K 229491 | Titanium colored front ring |
| | 10 kΩ 0.5 W max. DIL ET... ETR4-70 | M22S-R10K 232233 | Black front ring |
| Panel mounting adapter | ETR4 | CS-TE 095853 | For panel mounting of ETR 4 timing relays |
|  | | | |
| Component labelling system | | | |
| Clip-in label plate  8 x 10 mm | ...DIL | KG10 ¹⁾ 022256 | Clips into 2-pole auxiliary contact modules Standard quantity: 500 |
|  8 x 20 mm | ...DIL E, DIL ER ...DIL, DIL R | KG20 ¹⁾ 091075 | Clips into 4-pole auxiliary contact modules and basic units Standard quantity: 500 |
| Label plate with mounting stud  8 x 17.5 mm Color: white | DIL... | XGKS-Z ¹⁾ 207508 | For use with Moeller equipment with corresponding mounting hole Standard quantity: 500 |
|  Sheet of labels 7.5 x 17 mm Color: yellow HKS 3 (=RAL 1018) | XGKS, XGKS-Z, KG 20 For inscription using laser printer, inkjet printer, plotter, marker pen, photocopier | XGKE-GE ²⁾ 207517 | Standard quantity: pad of 25 sheets 240 labels per sheet, self-adhesive Price per sheet |
| Adapter with mounting stud  Color: RAL 7035, light grey | DIL... | XGKA-Z ¹⁾ 207513 | To secure XGKS on Moeller equipment with the corresponding mounting hole Standard quantity: 250 |

Notes

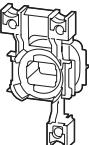
1) Must be ordered in standard quantity

- 2) Consult Moeller Electric for inscription software

Industrial Control Relays

Accessories, Contact Travel Diagrams

UL / CSA / IEC / CE

| | For use with | Type Article No. | List Price see price list | |
|---|--------------|---------------------|------------------------------|---|
| Individual coils | | | | |
|  | AC voltage | DIL R | J-DIL00M(...) | See page 02/031 for available ratings Specify coil voltage when ordering |
| | DC voltage | DIL R | G-DIL00M(...) | |

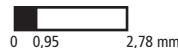
The diagrams show the closing and opening travel of the relays and auxiliary contacts at no-load.
Tolerances are not taken into consideration.

DIL ER-AC

normally open contact



normally closed contact

**DIL ER-DC**

normally open contact



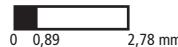
normally closed contact

**...DIL E**

normally open contact



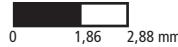
normally closed contact

**...D DIL E**

early make contact



late break contact



normally open contact



normally closed contact

**DIL R**

normally open contact



normally closed contact



early make contact



late break contact

**...DIL**

normally open contact



normally closed contact

**TP... 11 DIL**

normally open contact



normally closed contact

