
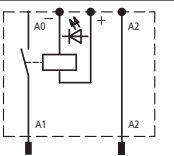

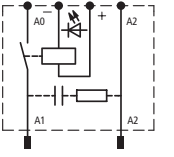

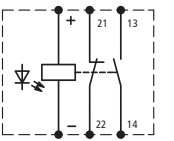











## Accessories

### Interface Modules, Suppressors

	Output Pilot duty rating		Actuating voltage actuating current	For use with relays	Type	Price	
	AC	DC					Article No.
<b>Interface modules, plug-in type</b>							
	B 300	R 300	24/11		DIL R...	<b>VS1DIL</b> 055480	
With integral suppressor circuit 	B 300	R 300	24/11		DIL R...	<b>VS2DIL</b> 057853	
<b>Amplifier module for separate mounting</b>							
	B 300		24/25		As required	<b>ETS4-VS3</b> 083094	
<b>Drop-out delay mechanism</b>							
			24/-		DIL E...	<b>TDDILE24</b> 090200	
<b>Suppressors</b>							
Varistor suppressors 	24 – 48 V		A1 A2		DIL E...	<b>VGDILE48</b> 010320	
	110 – 250 V					<b>VGDILE250</b> 010336	
	380 – 415 V					<b>VGDILE415</b> 010463	
	24 – 48 V		A1 A2		DIL E...-C	<b>VGDILE48-C</b> 230265	
	110 – 250 V					<b>VGDILE250-C</b> 230266	
	12 – 24 V					DIL R...	<b>VGBDIL24</b> 076837
	24 – 48 V		<b>VGBDIL48</b> 071609				
	110 – 250 V		<b>VGBDIL250</b> 071610				
	380 – 415 V		<b>VGBDIL415</b> 071611				
	RC suppressors 	24 – 48 V		A1 A2		DIL E...	<b>RCDILE48</b> 044264
110 – 250 V		<b>RCDILE250</b> 046320					
24 – 48 V		DIL E...-C	<b>RCDILE48-C</b> 230267				
110 – 250 V			<b>RCDILE250-C</b> 230268				
24 – 48 V			DIL R...	<b>RCBDIL48</b> 067345			
110 – 250 V		<b>RCBDIL250</b> 069718					
380 – 415		<b>RCBDIL415</b> 072091					
Free-wheel diode suppressor 		12 – 250 V		A1 A2		DIL R...	<b>FBDIL</b> 074464

For energizing of relays and contactors from low level 24V DC inputs. The VS 1 and VS 2 plug directly into the DIL R coil terminals, whereas the ETS4-VS 3 mounts separately on a DIN rail and is suitable for all relays. In cases where the rated coil current of a device exceeds 2A, use a DIL ER-G as an interface relay.

The output on VS2DIL and the input on ETS4-VS3 are equipped with an internal suppressor circuit.

Lengthens the drop-out time of an electro-magnet. For use with DILER(M) with DC operated coil only. Drop-out delay with auxiliary contacts: 100ms, without: 130 ms

For AC operated 50-60 Hz relays only. DC operated devices have built-in surge suppressors.

For AC operated 50-60 Hz and DC operated relays .




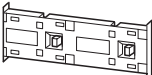


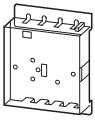

For AC operated 50-60 Hz relays

For DC operated relays  
Longer drop-out delay of coil should be taken into consideration

Accessories





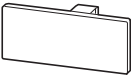
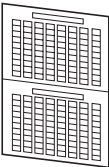
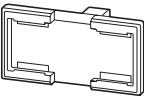
UL / CSA / IEC / CE

Industrial Control Relays,  
Electronic Timing Relays

		For use with	Type Article No.	Price see price list	
<b>Spacers</b>					
	Provides a mechanical link between groups of components to better secure them when mounted and wired together in an assembly.	DIL E... DIL ET...	<b>VODILE</b> 026634		No spacing between devices
		DIL R... ETR4	<b>VODIL</b> 010772		No spacing between devices
		DIL R... ETR4	<b>V5/15DIL</b> 013145		5 mm device spacing 15 mm device spacing when using mechanical interlock
<b>Mechanical Interlock</b>					
		DIL E...	<b>MVDILE</b> 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
<b>Paralleling bridge</b>					
	for parallel connection of auxiliary contacts	DIL E... ...DIL E DIL R ...DIL	<b>BT480</b> <sup>1)</sup> 052785		Not insulated Standard quantity: 100
<b>Connection tabs for fast-on connectors DIN 46 244</b>					
	For auxiliary contacts and coil connections	DIL E... DIL ET... DIL R...	<b>BT483</b> <sup>1)</sup> 059904		Use connectors with insulated sleeves Standard quantity: 100
<b>Tamper-proof cover</b>					
	Transparent	DIL E... DIL ET...	<b>HDILE</b> 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	<b>PL-DILT</b> 036073		Cover is fastened via a screw. Sealable to prevent access.

<sup>1)</sup> must be ordered in standard quantity.

## Accessories

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

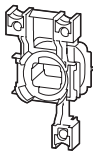
## Notes

- <sup>1)</sup> Must be ordered in standard quantity  
<sup>2)</sup> Consult Moeller Electric for inscription software

# Industrial Control Relays

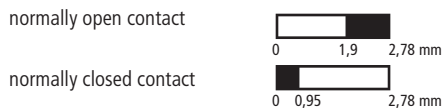
## Accessories, Contact Travel Diagrams

UL / CSA / IEC / CE

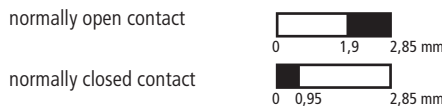
	For use with	Type Article No.	List Price see price list	
<b>Individual coils</b> 	AC voltage	DIL R	<b>J-DIL00M(...)</b>	See page 02/031 for available ratings Specify coil voltage when ordering
	DC voltage	DIL R	<b>G-DIL00M(...)</b>	

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

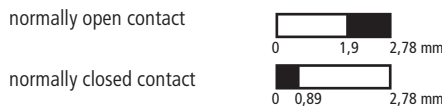
**DIL ER-AC**



**DIL ER-DC**



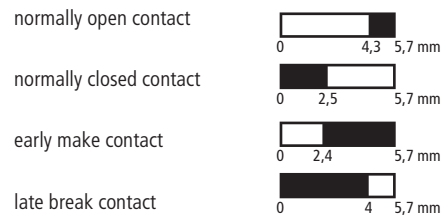
**...DIL E**



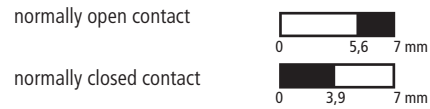
**...D DIL E**



**DIL R**



**...DIL**



**TP... 11 DIL**

