
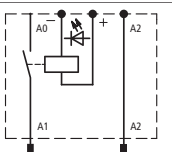

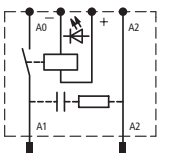

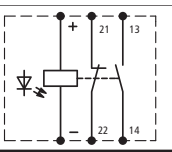
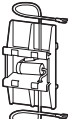









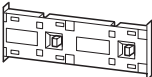


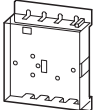



**Accessories****Interface Modules, Suppressors**

Output Pilot duty rating		Actuating voltage actuating current		For use with relays	Type	Price		
AC	DC							
A	A							
V DC/mA								
Interface modules, plug-in type								
	B 300	R 300	24/11		DIL R...	VS1DIL 055480	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.	
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 operated 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 devices 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						
		24 – 48 V		DIL R...	VGBDIL24 076837		For AC operated 50-60 Hz and DC operated relays .	
		110 – 250 V			VGBDIL48 071609			
	380 – 415 V	VGBDIL250 071610						
				VGBDIL415 071611				
RC suppressors		24 – 48 V		DIL E...	RCDILE48 044264		For AC operated 50-60 Hz relays	
		110 – 250 V			RCDILE250 046320			
		24 – 48 V			RCDILE48-C 230267			
		110 – 250 V		DIL E...-C	RCDILE250-C 230268			
		24 – 48 V			RCBDIL48 067345			
		110 – 250 V			RCBDIL250 069718			
		380 – 415			RCBDIL415 072091			
				DIL R...	FDBDIL 074464			
Free-wheel diode suppressor		12 – 250 V		DIL R...			For DC operated relays Longer drop-out delay of coil should be taken into consideration	





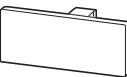
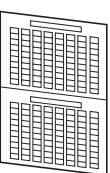
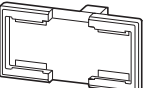
## Accessories

UL / CSA / IEC / CE

		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>V0DILE</b> 026634		No spacing between devices
		DIL R... ETR4	<b>V0DIL</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
	Color: yellow HKS 3 (≈RAL 1018)	For inscription using laser printer, inkjet printer, plotter, marker pen, photocopier			Price per sheet
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

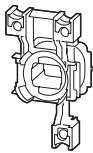
## Notes

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

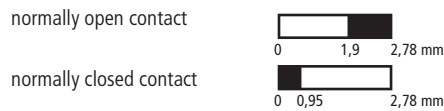
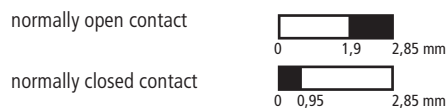
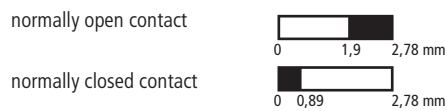
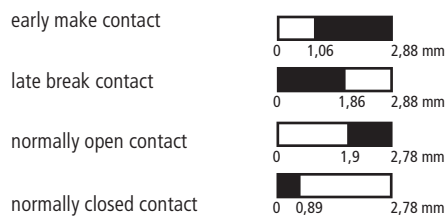
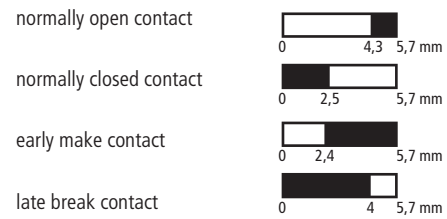
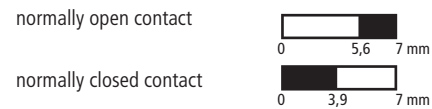
# Industrial Control Relays

## 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**