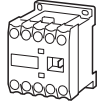
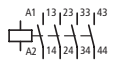
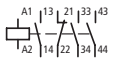
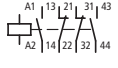

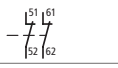
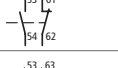
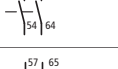


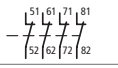
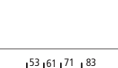
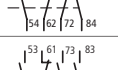

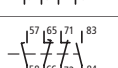



## DIL ER Industrial Control Relays

### Basic Relay, Auxiliary Contact Modules

Contact Arrangement	IEC rated operational current I <sub>e</sub> at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating	Circuit symbol	Contact code number and version <sup>3)</sup>	AC operated	
					Type	Price
N.O. = normally open N.C. = normally closed	A				Coil voltages shown in (...) For other coil voltages, see page 02/030	Article No.  see price list
<b>Basic relays with positively driven contacts<sup>1)</sup></b>						
	4 N.O. –	6	A 600 P 300		40E – –	<b>DILER-40(120V60Hz)</b> 051756
	3 N.O. 1 N.C.				– 31E –	<b>DILER-31(120V60Hz)</b> 051765
	2 N.O. 2 N.C.				– – 22E	<b>DILER-22(120V60Hz)</b> 051774
<b>Auxiliary contact modules with positively driven contacts<sup>1)</sup></b>						
	– 2 N.C.	4	A 600 P 300		42E 33 24	<b>02DILE</b> 010240
	1 N.O. 1 N.C.				51E 42 33	<b>11DILE</b> 010224
	2 N.O. –				60E 51 42	<b>20DILE</b> 010208
	1 N.O. <sup>2)</sup> 1 N.C. <sup>2)</sup>				51 42 33	<b>11DDILE</b> 049824
	– 4 N.C.	4	A 600 P 300		44E 35 26	<b>04DILE</b> 010256
	1 N.O. 3 N.C.				53E 44 35	<b>13DILE</b> 002397
	2 N.O. 2 N.C.				62E 53 44	<b>22DILE</b> 010288
	3 N.O. 1 N.C.				71E 62 53	<b>31DILE</b> 048912
	4 N.O. –				80E 71 62	<b>40DILE</b> 010304
	2 N.O. <sup>2)</sup> 2 N.C. <sup>2)</sup>				62 53 44	<b>22DDILE</b> 049823

**Notes**

- <sup>1)</sup> Positively driven contacts (ZH 1/457 Specification): Standard N.O. and N.C. contacts can never be closed simultaneously. By definition, overlapping contacts, i.e. EM (Early Make) and LB (Late Break) cannot be positively driven.
- <sup>2)</sup> 1 early-make contact  
1 late-break contact
- <sup>3)</sup> Refer to explanation in Notes column

# DIL ER Industrial Control Relays

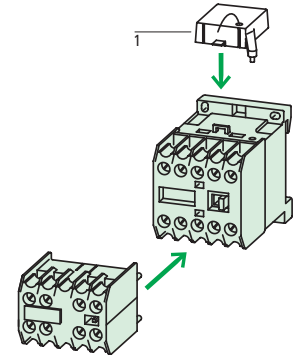
## Basic Relay, Auxiliary Contact Modules

UL / CSA / IEC / CE

Industrial Control Relays,  
Electronic Timing Relays

Circuit symbol		Contact code number and version <sup>3)</sup>	DC operated Type	Price	
			Article No.	see price list	
			Coil voltages shown in (...) For other coil voltages, see page 02/030		
	40E		<b>DILER-40-G(24VDC)</b> 010223		Contact numbers to EN 50 011 Terminal markings: coils to EN 50 005 <b>DC coils:</b> Supplied standard with a resistor/diode combination surge suppressor. Coil power consumption: 2.6 W
		31E	<b>DILER-31-G(24VDC)</b> 010157		
		22E	<b>DILER-22-G(24VDC)</b> 010042		
	42E	33	–	<b>02DILE</b> 010240	Auxiliary contact modules (up to 4 contacts) clip on top of DIL ER.
	51E	42	–	<b>11DILE</b> 010224	
	60E	51	–	<b>20DILE</b> 010208	
	51	42	–	<b>11DDILE</b> 049824	
	44E	35	–	<b>04DILE</b> 010256	
	53E	44	–	<b>13DILE</b> 002397	
	62E	53	–	<b>22DILE</b> 010288	
	71E	62	–	<b>31DILE</b> 048912	
	80E	71	–	<b>40DILE</b> 010304	
	62	53	–	<b>22DDILE</b> 049823	

**Notes**



**Accessories**

**Page**

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**Contact Code Number:**

The contact code number provides useful information of the relay. It refers to the total number of N.O. contacts (1st digit) and N.C. contacts (2nd digit) found on the device. Adding both digits will result in the total number of contacts.

**Example:**

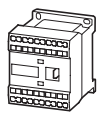
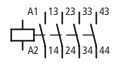

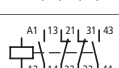


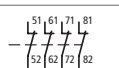
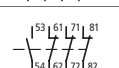
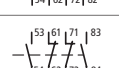


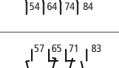
**DILER-40 + 04DIL E =**  
4 N.O. + 4 N.C. contacts, for a total of 8 eight contacts.

Some contact combinations are preferred when used in configurations conforming to European Norms (EN Standards). These are denoted by the letter "E" in the contact code number and are in accordance with DIN EN 50 011. All other combinations without the letter "E" are in accordance with DIN EN 50 005. In the example above, the combination of **DILER-40 +04DILE** yields a relay with Type E configuration (44E).

# DIL ER Industrial Control Relays

## Basic Relay, Auxiliary Contact Modules, with cage clamp

Industrial Control Relays,  
Electronic Timing Relays

Contact arrangement		IEC rated operational current $I_e$ at AC-15		UL/CSA Pilot Duty Rating	Circuit symbol	Contact code number and version <sup>3)</sup>			AC operated Type Article No.	Price see price list		
N.O.	N.C.	A	A									
<b>Basic relays with positively driven contacts</b>												
	4	—	6	3	A 600 P 300		40E	—	—	<b>DILER40-C(120V60HZ)</b> 231841		
	3	1					—	31E	—	<b>DILER31-C(120V60HZ)</b> 231818		
	2	2					—	—	22E	<b>DILER22-C(120V60HZ)</b> 231793		
<b>Auxiliary contact modules with positively driven contacts <sup>1)</sup></b>												
	2-pole		1	1	4	2	A 600 P 300		51E	42	33	<b>11DILE-C</b> 230257
	4-pole		—	4	4	2	A 600 P 300		44E	35	26	<b>04DILE-C</b> 230258
			1	3					53E	44	35	<b>13DILE-C</b> 230259
			2	2					62E	53	44	<b>22DILE-C</b> 230260
			3	1					71E	62	53	<b>31DILE-C</b> 230262
			4	—					80E	71	62	<b>40DILE-C</b> 230263
			2 <sup>2)</sup>	2 <sup>2)</sup>					62	53	44	<b>22DDILE-C</b> 230264

**Notes**

- <sup>1)</sup> Positively driven contacts (ZH 1/457 Specification): Standard N.O. and N.C. contacts can never be closed simultaneously. By definition, overlapping contacts, i.e. EM (Early Make) and LB (Late Break) cannot be positively driven.
- <sup>2)</sup> 1 early-make contact  
1 late-break contact
- <sup>3)</sup> Refer to explanation in Notes column

**DIL ER Industrial Control Relays**

Basic Relay, Auxiliary Contact Modules, with cage clamp

UL / CSA / IEC / CE

Circuit symbol	Contact code number and version <sup>3)</sup>	DC operated Type	Article No.	Price	Notes
				see price list	
	40E	<b>DILER-40-G-C(24VDC)</b>	230241		Other operating voltages → page 02/032 Contact numbers to EN 50 011 Terminal markings: coils to EN 50 005 DC Coils: supplied standard with a resistor/diode combination surge suppressor. Coil power consumption: 2.6W
	31E	<b>DILER-31-G-C(24VDC)</b>	230179		
	22E	<b>DILER-22-G-C(24VDC)</b>	230177		
	51E	<b>11DILE-C</b>	230257		Auxiliary contact modules (up to four contacts) clip on top of the DIL ER.
	44E	<b>04DILE-C</b>	230258		
	53E	<b>13DILE-C</b>	230259		
	62E	<b>22DILE-C</b>	230260		
	71E	<b>31DILE-C</b>	230262		
	80E	<b>40DILE-C</b>	230263		
	62	<b>22DDILE-C</b>	230264		
	62				

Contact Code Number:

The contact code number provides useful information of the relay. It refers to the total number of N.O. contacts (1st digit) and N.C. contacts (2nd digit) found on the device. Adding both digits will result in the total number of contacts.

Example:  
**DILER-40 + 04DIL E =**  
 4 N.O. + 4 N.C. contacts, for a total of 8 eight contacts.

Some contact combinations are preferred when used in configurations conforming to European Norms (EN Standards). These are denoted by the letter "E" in the contact code number and are in accordance with DIN EN 50 011. All other combinations without the letter "E" are in accordance with DIN EN 50 005. In the example above, the combination of **DILER-40 +04DILE** yields a relay with Type E configuration (44E).

<b>Accessories</b>	<b>Page</b>
Suppressor	02/024