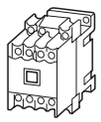
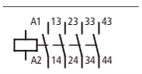
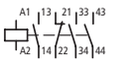
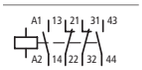
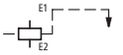
DIL R Industrial Control Relays

UL / CSA / IEC / CE

Basic Relay, Modules

	Contacts		IEC rated operational current I_e at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating	Circuit symbol	Contact code number and version[2]			AC operated Type / Article No. (Coil voltages shown in (...) For other coil voltages, see page 02/030)	Price see price list
	N.O. = normally open N.C. = normally closed		A							
Basic relays with positively driven contacts[1]										
	4 N.O.	–	6	A 600 P 300		40E	–	–	**DILR40(120V60Hz)** 043753	
	3 N.O.	1 N.C.				–	31E	–	**DILR31(120V60Hz)** 043765	
	2 N.O.	2 N.C.				–	–	22E	**DILR22(120V60Hz)** 043777	
Auxiliary contact modules with positively driven contacts[1]										
2-pole 	–	2 N.C.	6	A 600 P 300		42E	33	24	**02DIL** 098145	
	1 N.O.	1 N.C.				51E	42	33	**11DIL** 010345	
	2 N.O.	–				60E	51	42	**20DIL** 012718	
4-pole 	–	4 N.C.	6	A 600 P 300		44E	35	26	**04DIL** 015091	
	1 N.O.	3 N.C.				53E	44	35	**13DIL** 017464	
	2 N.O.	2 N.C.				62E	53	44	**22DIL** 019837	
	3 N.O.	1 N.C.				71E	62	53	**31DIL** 010752	
	4 N.O.	–				80E	71	62	**40DIL** 022210	
Pneumatic timer module, convertible time ranges of : 0.2 – 30 s and 20 – 180 s										
ON-delayed 	1 N.O.	1 N.C.	4	A 300		51	42	33	**TPE11DIL** 002279	
OFF-delayed	1 N.O.	1 N.C.	4	A 300		51	42	33	**TPD11DIL** 002280	
Mechanical latching module 						40E	31E	22E	**VDIL(120V60HZ)** 043822	

Notes

1) 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.

2) Refer to explanation in Notes column

DIL R Industrial Control Relays

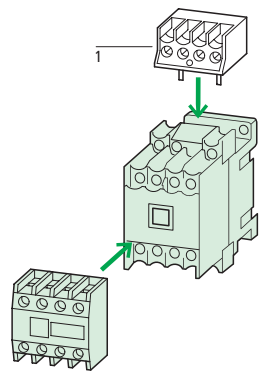
Basic Relay, Modules

UL / CSA / IEC / CE

DC operated

Type	Price	
Article No.	see price list	
Coil voltages shown in (...) For other coil voltages, see page 02/030		
DILR40-G (24VDC) 048537		The DILR40(-G) is supplied without a front plate, HDIL00M, to facilitate mounting of auxiliary contact modules.
DILR31-G (24VDC) 048532		DILR31(-G) and DILR22(-G) are supplied withh a front plate that can be easily removed to add auxiliary contact modules.
DILR22-G (24VDC) 048526		
02DIL 098145		
11DIL 010345		
20DIL 012718		
04DIL 015091		
13DIL 017464		
22DIL 019837		
31DIL 010752		
40DIL 022210		
TPE11DIL 002279		
TPD11DIL 002280		
V-GDIL(24VDC) 048562		Maximum impulse duration for DC energization: 200ms

Notes



Accessories	Page
1 Interface module	02/024
Other accessories	02/024

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.

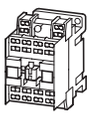
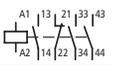
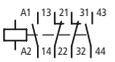
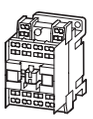
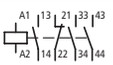
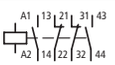
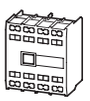
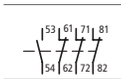
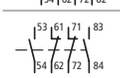
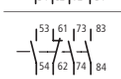
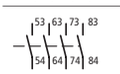
Example:
DILR40 + 04DIL =
4 N.O. + **4** N.C. contacts, for a total of eight contacts.

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 **DILR40 + 04DIL** yields a relay with Type E configuration (44E).

DIL R Industrial Control Relays

Basic Relay, Modules, with cage clamp

UL / CSA / IEC / CE

Contact arrangement N.O. = normally open N.C. = normally closed		Rated operational current I_e at AC-15 220 V 230 V 240 V		UL/CSA Pilot Duty Rating				AC operated Type Article No.	Price see price list
N.O.	N.C.	A	A		Circuit symbol	Contact code number and version [2]				
Basic relays with positively driven contacts									
									
4	–	6	4	16		40 E	–	–	**DILR40-C(120V60HZ)** 231917	
3	1					–	31 E	–	**DILR31-C(120V60HZ)** 231897	
2	2					–	–	22 E	**DILR22-C(120V60HZ)** 231862	
Basic relays with positively driven contacts and integrated suppressor									
									
4	–	6	4	16		40 E	–	–	**DILR40-C(120V60HZ-Z)** 232037	
3	1					–	31 E	–	**DILR31-C(120V60HZ-Z)** 232029	
2	2					–	–	22 E	**DILR22-C120V60HZ-Z)** 232023	
Auxiliary contact modules with positively driven contacts [1]									
4-polig									
									
–	4	6	4	16		44 E	35	26	**04DIL-C** 230282	
1	3					53 E	44	35	**13DIL-C** 230284	
2	2					62 E	53	44	**22DIL-C** 230286	
3	1					71 E	62	53	**31DIL-C** 230289	
4	–					80 E	71	62	**40DIL-C** 230290	

Notes

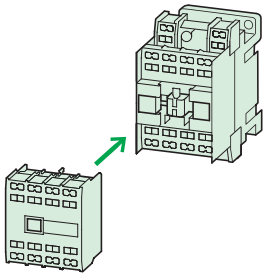
[1] Positively driven contacts (ZH 1/457 Specification): Standard N.O. and N.C. contacts can never be closed simultaneously. By definition, overlapping contacts, i.e. EM (Early Make) and LB (Late Break) cannot be positively driven.

[2] Refer to explanation in Notes column

DIL R Industrial Control Relays
Basic Relay, Modules, with cage clamp

UL / CSA / IEC / CE

DC operated Type Article No.	Price see price list	Notes
DILR40-G-C(24VDC) 230254 **DILR31-G-C(24VDC)** 230252 **DILR22-G-C(24VDC)** 230248		Other operating voltages → page 02/030 Contact numbers to EN 50 011 Terminal markings: coils to EN 50 005
DILR40-G-C(24VDC-Z) 232044 **DILR31-G-C(24VDC-Z)** 232032 **DILR22-G-C(24VDC-Z)** 232026		Other operating voltages → page 02/030 Contact numbers to EN 50 011 Terminal markings: coils to EN 50 005
04DIL-C 230282 **13DIL-C** 230284 **22DIL-C** 230286 **31DIL-C** 230289 **40DIL-C** 230290		



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.

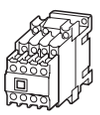
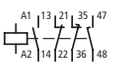
Example:
DILER-40 + 04DIL E =
4 N.O. + **4** N.C. contacts, for a total of 8 eight contacts.

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 R Industrial Control Relays

UL / CSA / IEC / CE

Complete Units

	Contacts		IEC rated operational current I_e at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating			AC operated Type Article No.	Price see price list
	N.O. = normally open N.C. = normally closed		A		Circuit symbol	Contact code number	Coil voltages shown in (...) For other coil voltages, see page 02/030	
Complete units with 1 early-make contact, 1 late-break contact								
	2 N.O.	2 N.C.	6	A 600 P 300		22	**DILR22D(120V60Hz)** 043789	
	4 N.O.	4 N.C.				44	**DILR44D(120V60Hz)** 043800	
	5 N.O.	3 N.C.				53	**DILR53D(120V60Hz)** 043811	

DIL R Industrial Control Relays

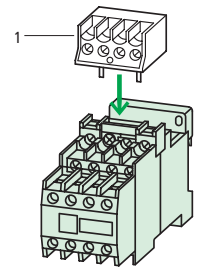
UL / CSA / IEC / CE

Complete Units

DC operated

Type	Price	
Article No.	see price list	
Coil voltages shown in (...) For other coil voltages, see page 02/030		
DILR22D-G(24VDC) 048542		DIL R 22D supplied with front plate
DILR44D-G(24VDC) 048547		
DILR53D-G(24VDC) 048552		

Notes



Accessories	Page
1 Interface module	02/024
Other accessories	02/024

Contact Code Number:

The contact code number provides useful iformation 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:
DILR22D =
2 N.O. + **2** N.C. contacts, for a total of 4 contacts.

The "D" shown following the contact code number refers to the fact 1 N.O. contact is an early-make contact and 1 N.C. is a late-break contact.