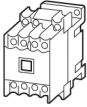




















DIL R Industrial Control Relays

Basic Relay, Modules

Contacts		IEC rated operational current I_e at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating	Circuit symbol			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
					Coil voltages shown in (...) For other coil voltages, see page 02/030			
Basic relays with positively driven contacts¹⁾								
	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 contacts¹⁾								
	– 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 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

- 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.
- Refer to explanation in Notes column

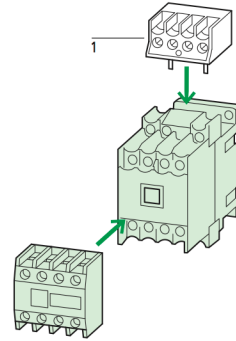
DIL R Industrial Control Relays

UL / CSA / IEC / CE

Basic Relay, Modules

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 with 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:


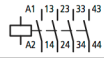
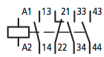
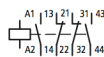

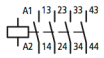
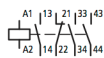
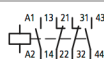

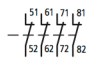
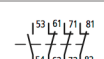
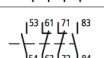
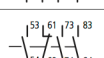

The contact code number provides useful information of the relay. It refers to the total number of N.O. contacts (1st digit) and N.C. contacts (2nd digit) found on the device. Adding both digits will result in the total number of contacts.

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

Contact arrangement	Rated operational current I_e at AC-15		UL/CSA Pilot Duty Rating	Circuit symbol	Contact code number and version ²⁾	AC operated Type Article No.	Price see price list		
	N.O. = normally open N.C. = normally closed	220 V 230 V 240 V						380 V 400 V 415 V	
N.O.	N.C.	A	A						
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-C(120V60HZ-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

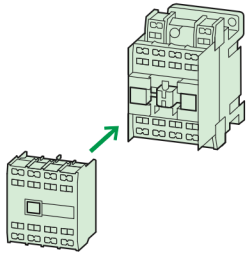
- ¹⁾ Positively driven contacts (ZH 1/457 Specification): Standard N.O. and N.C. contacts can never be closed simultaneously. By definition, overlapping contacts, i.e. EM (Early Make) and LB (Late Break) cannot be positively driven.
- ²⁾ Refer to explanation in Notes column

DIL R Industrial Control Relays

Basic Relay, Modules, with clamp


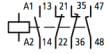


UL / CSA / IEC / CE

Industrial Control Relays,
Electronic Timing Relays

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

DIL R Industrial Control Relays
Complete Units

Industrial Control Relays,
Electronic Timing Relays

Contacts		IEC rated operational current I _e at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating	AC operated Type	Price	
				Article No.	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 Complete Units

UL / CSA / IEC / CE

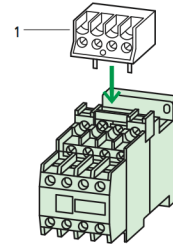
Industrial Control Relays,
Electronic Timing Relays

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
DILR44D-G(24VDC) 048547
DILR53D-G(24VDC) 048552

DIL R 22D supplied with front plate

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:
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.