Contactor relay, 24 V DC, 2 N/O, 2 NC, Push in terminals, DC operation

Powering Business Worldwide*

Part no. DILA-22(24VDC)-PI Catalog No. 199218

Alternate Catalog XTREPI10B22TD

Νo



Don'to, program			
Product range			DILA relays
Application			Contactor relays
Description			Basic devices with positive operation contacts
Connection technique			Push in terminals
Rated operational current			
AC-15			
220 V 230 V 240 V	l _e	Α	4
380 V 400 V 415 V	l _e	Α	4
Contacts			
N/0 = Normally open			2 N/O
N/C = Normally closed			2 NC
Contact sequence			
Code number and version of combination			
Distinctive number			22E
Can be combined with auxiliary contact module			DILA-XHI(V)PI nicht mit DILA-XHI, 4-polig
Actuating voltage			24 V DC
Voltage AC/DC			DC operation
Suppressor circuit			built-in
Connection to SmartWire-DT			yes in conjunction with DIL-SWD SmartWire DT contactor module
Instructions			Contact numbers to EN 50011 Coil terminal markings to EN 50005 built-in suppressor circuit' Integrated varistor suppressor circuit.

Technical data

General

General			
Standards			IEC/EN 60947, EN 60947-5-1, VDE 0660, UL, CSA
Lifespan, mechanical			
DC operated	Operations	x 10 ⁶	20
Maximum operating frequency	Operations/h		9000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 40
Ambient temperature, storage		°C	- 40 - 80
Mounting position			
Mounting position			
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 10 ms			
Basic unit with auxiliary contact module		g	

	g	7
	g	5
		IP20
		Finger and back-of-hand proof
	m	Max. 2000
	kg	0.29
	mm^2	
	mm ²	1 x (0,5 - 2,5)
	2	2 x (0,5 - 2,5) 1 x (0,5 - 2,5)
		2 x (0,5 - 2,5)
	mm ²	1 x (0,5 - 1,5) 2 x (0,5 - 1,5)
	mm ²	1 × (0,5 - 2,5) 2 × (0,5 - 2,5)
	mm ²	1 x (0,5 - 2,5) 2 x (0,5 - 2,5)
	AWG	20 - 14
	mm	10
		3.0×0.5
		yes
U_{imp}	V AC	6000
		III/3
Ui	V AC	690
U _e	V AC	690
	V AC	400
	V AC	400
	Α	
I _{th} =I _e	А	16
l _e	Α	4
l _e	Α	4
le	Α	1.5
		Switch-on and switch-off conditions based on DC-13, time constant as specified.
	Α	
24 V	A	10
	A	6
		10
		3
		1
		5
,		
	Α	
24 V	A	4
60 V	A	4
110 V	A	2
220 V	Α	1
	U _i U _e I _{th} =I _e I _e I _e I _e I ₁₀ V 110 V 220 V 24 V 60 V 110 V	

			(
			(at $U_e = 24 \text{ V DC}$, $U_{min} = 17 \text{ V}$, $I_{min} = 5.4 \text{ mA}$)
Short-circuit rating without welding			
Maximum overcurrent protective device			
220 V 230 V 240 V		PKZM0	4
380 V 400 V 415 V		PKZM0	4
Short-circuit protection maximum fuse			
500 V		A gG/gL	10
Current heat loss at I _{th}			
DC operated		W	0.85
Magnet systems			
Voltage tolerance			
DC operated			
Notes			Smoothed DC, three-phase bridge rectifiers or smoothed double-wave rectification
Pick-up voltage			0.8 - 1.1
at 24 V: without auxiliary contact component (40 °C)	Pick-up	x U _c	0.7 - 1.3
Power consumption			
DC operation			
DC operated	Pull-in = sealing	W	3
duty factor		% DF	100
Changeover time at 100 % $\ensuremath{\text{U}_{S}}$ (recommended value)			
DC operated closing delay		ms	
Switching times, DC operated, max. closing delay		ms	31
DC operated N/O contact opening delay		ms	
Switching times, DC actuated make contact Opening delay, max.		ms	12
Rating data for approved types			
Auxiliary contacts			
Pilot Duty			
AC operated			A600
DC operated			P300
General Use			
AC		V	600
AC		Α	15
DC		V	250

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	60

Technical data ETIM 8.0

DC

Low-voltage industrial components (EG000017) / Contactor relay (EC000196)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Contactor relay (ecl@ss10.0.1-27-37-10-01 [AAB716014])			
Rated control supply voltage Us at AC 50HZ	\	V	0 - 0
Rated control supply voltage Us at AC 60HZ	\	V	0 - 0
Rated control supply voltage Us at DC	\	V	24 - 24
Voltage type for actuating			DC
Rated operation current le, 400 V	,	A	4
Connection type auxiliary circuit			Spring clamp connection
Mounting method			DIN-rail/screw
Interface			No
Number of auxiliary contacts as normally closed contact			2
Number of auxiliary contacts as normally open contact			2
Number of auxiliary contacts as normally closed contact, delayed switching			0
Number of auxiliary contacts as normally open contact, leading			0

Number of auxiliary contacts as change-over contact	0
With LED indication	No
Suitable for manual operation	No

Approvals

Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Dimensions