



aux.contact module, 2-poles, front



Powering Business Worldwide™

Part no. DILM150-XHI11
Article no. 277946

Catalog No. XTCEXFBG11

Delivery programme

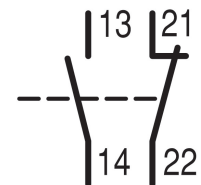
Product range
Accessories
Description
Function
Pole
Connection technique
Rated operational current
AC-3
Conventional free air thermal
current, 3 pole, 50 - 60 Hz
Open
at 60 °C
 $I_{th} = I_e$
AC-15
220 V 230 V 240 V
380 V 400 V 415 V
 I_e
 I_e
Contacts
N/O = Normally open
N/C = Normally closed
Mounting type
Contact sequence

Accessories
Auxiliary contact modules
with interlocked opposing contacts
for standard applications
2 pole
Screw terminals

16

6
4

1 N/O
1 NC
Front fixing



For use with

DILM40...
DILM50...
DILM65...
DILM72...
DILM80...
DILM95...
DILM115...
DILM150...
DILM170...
DILMP63...
DILMP80...
DILMP125...
DILMP160...
DILMP200...
Interlocked opposing contacts
according to IEC/EN 60947-5-1
appendix L, inside the auxiliary contact
modules, also for the integrated
auxiliary contacts of the DILM 7 -
DILM32
Auxiliary contacts used as mirror
contacts according to IEC/EN 60947-4-1
Appendix F (not N/C late open)

Instructions

Approvals

Product Standards
UL File No.
UL Category Control No.
CSA File No.
CSA Class No.
North America Certification
Specially designed for North America

IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
E29184
NKCR
012528
3211-03
UL listed, CSA certified
No

Electrical specifications for standard auxiliary contacts

Interlocked opposing contacts within an auxiliary contact module (to IEC
60947-5-1 Annex L)
N/C contact (not late-break contact) suitable as a mirror contact (to IEC/
EN 60947-4-1 Annex F)
Rated impulse withstand voltage

Overvoltage category/pollution degree

Rated insulation voltage

Rated operational voltage

		Yes
		DILM40 - DILM170
U_{imp}	V AC	6000
		III/3
U_i	V AC	690
U_e	V AC	500

Safe isolation to EN 61140

between coil and auxiliary contacts

between the auxiliary contacts

Rated operational current

Conventional free air thermal current, 3 pole, 50 - 60 Hz

Open

at 60 °C

AC-15

220 V 230 V 240 V

380 V 400 V 415 V

500 V

DC current

DC L/R 15 ms
24 V

60 V

110 V

220 V

Control circuit reliability

Component lifespan

at $U_e = 230\text{ V}$, AC-15, 3 A

Short-circuit rating without welding

max. fuse

	V AC	440
	V AC	440
	A	
$I_{th}=I_e$	A	16
I_e	A	6
I_e	A	4
I_e	A	1.5
I_e	A	10
I_e	A	6
I_e	A	3
I_e	A	1
Failure rate	λ	$<10^{-8}$, < one failure at 100 million operations (at $U_e = 24\text{ V DC}$, $U_{min} = 17\text{ V}$, $I_{min} = 5.4\text{ mA}$)
Operations	$\times 10^6$	1.3
	A gG/ gL	16

Technical data ETIM 5.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block
(ecl@ss8-27-37-13-02 [AKN342009])

Number of contacts as change-over contact

0

Number of contacts as normally open contact

1

Number of contacts as normally closed contact

1

Rated operation current I_e at AC-15, 230 V

A

6

Type of electric connection

Screw connection

Mounting method

Front fastening

Additional product information (links)

IL03407034Z (AWA2100-2251) Auxiliary contact

IL03407034Z (AWA2100-2251) Auxiliary contact

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407034Z2010_10.pdf

<http://de.ecat.moeller.net/flip-cat/?edition=HPLTE&startpage=5.84>

Switchgear of Power Factor Correction Systems

http://www.moeller.net/binary/ver_techpapers/ver934en.pdf

X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely

http://www.moeller.net/binary/ver_techpapers/ver938en.pdf

Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions

http://www.moeller.net/binary/ver_techpapers/ver944en.pdf

Effect of the Cable Capacitance of Long Control Cables on the Actuation of Contactors

http://www.moeller.net/binary/ver_techpapers/ver949en.pdf

Motor starters and "Special Purpose Ratings" for the North American market

http://www.moeller.net/binary/ver_techpapers/ver953en.pdf

Switchgear for Luminaires

http://www.moeller.net/binary/ver_techpapers/ver955en.pdf

Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts

http://www.moeller.net/binary/ver_techpapers/ver956en.pdf

The Interaction of Contactors with PLCs	http://www.moeller.net/binary/ver_techpapers/ver957en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf