



Auxiliary contact module, 2N/O+2N/C

Part no.
Article no.
Catalog No.

DILM32-XHI22
277377
XTCEXFCC22

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
AC-15
220 V 230 V 240 V
380 V 400 V 415 V
Contacts
N/O = Normally open
N/C = Normally closed
Mounting type
Contact sequence

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

$I_{th} = I_e$

A

16

I_e

A

4

I_e

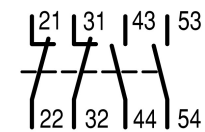
A

4

2 N/O

2 N/C

Front fixing



DILM(C)7-10...

DILM(C)9-10...

DILM(C)12-10...

DILM(C)15-10...

DILM(C)17-10...

DILM(C)25-10...

DILM(C)32-10...

DILM38-10...

DILMP20...

DILMP32-10...

DILMP45-10...

DILL...

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)

For use with

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

Safe isolation to EN 61140

between coil and auxiliary contacts

between the auxiliary contacts

Rated operational current

		Yes
		DILM7 - DILM38
U_{imp}	V AC	6000
		III/3
U_i	V AC	690
U_e	V AC	500
	V AC	400
	V AC	400
	A	

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

DC-13 (6xP)

Contacts in series:

3

3

3

3

Control circuit reliability

Component lifespan

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

Short-circuit rating without welding

max. fuse

$I_{th} = I_e$	A	16
I_e	A	4
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
	A	
24 V	A	2.5
60 V	A	1
110 V	A	0.5
220 V	A	0.25
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	10

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

2

Number of contacts as normally closed
contact

2

Rated operation current I_e at AC-15,
230 V

A

6

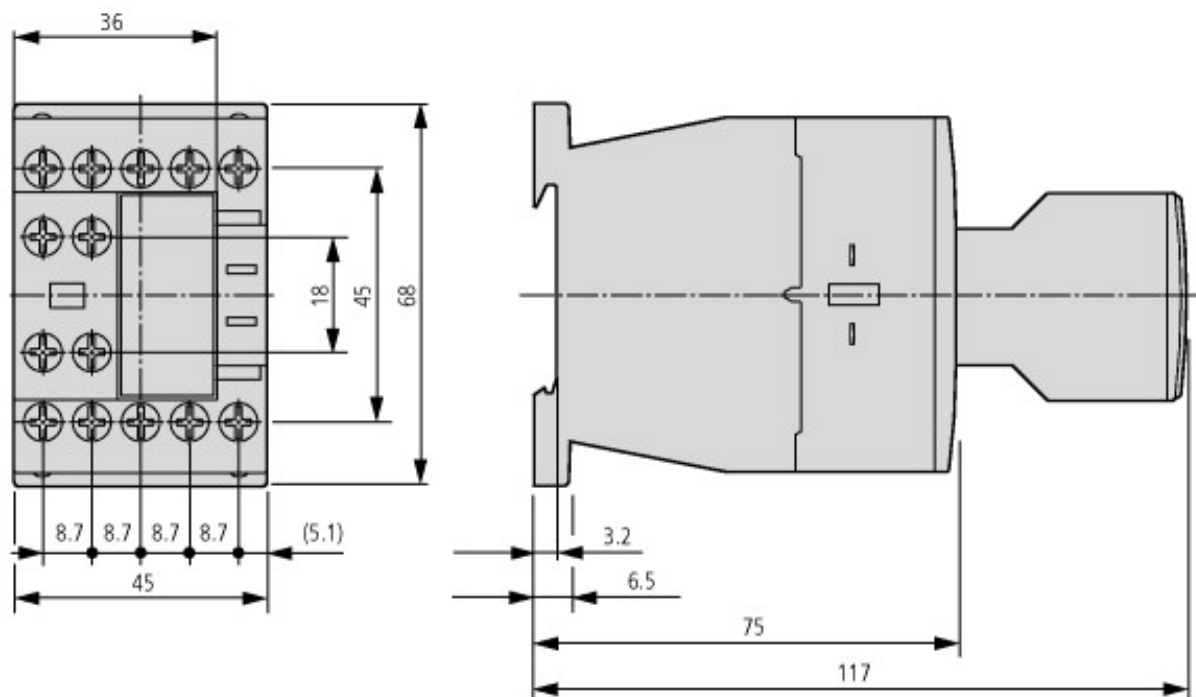
Type of electric connection

Screw connection

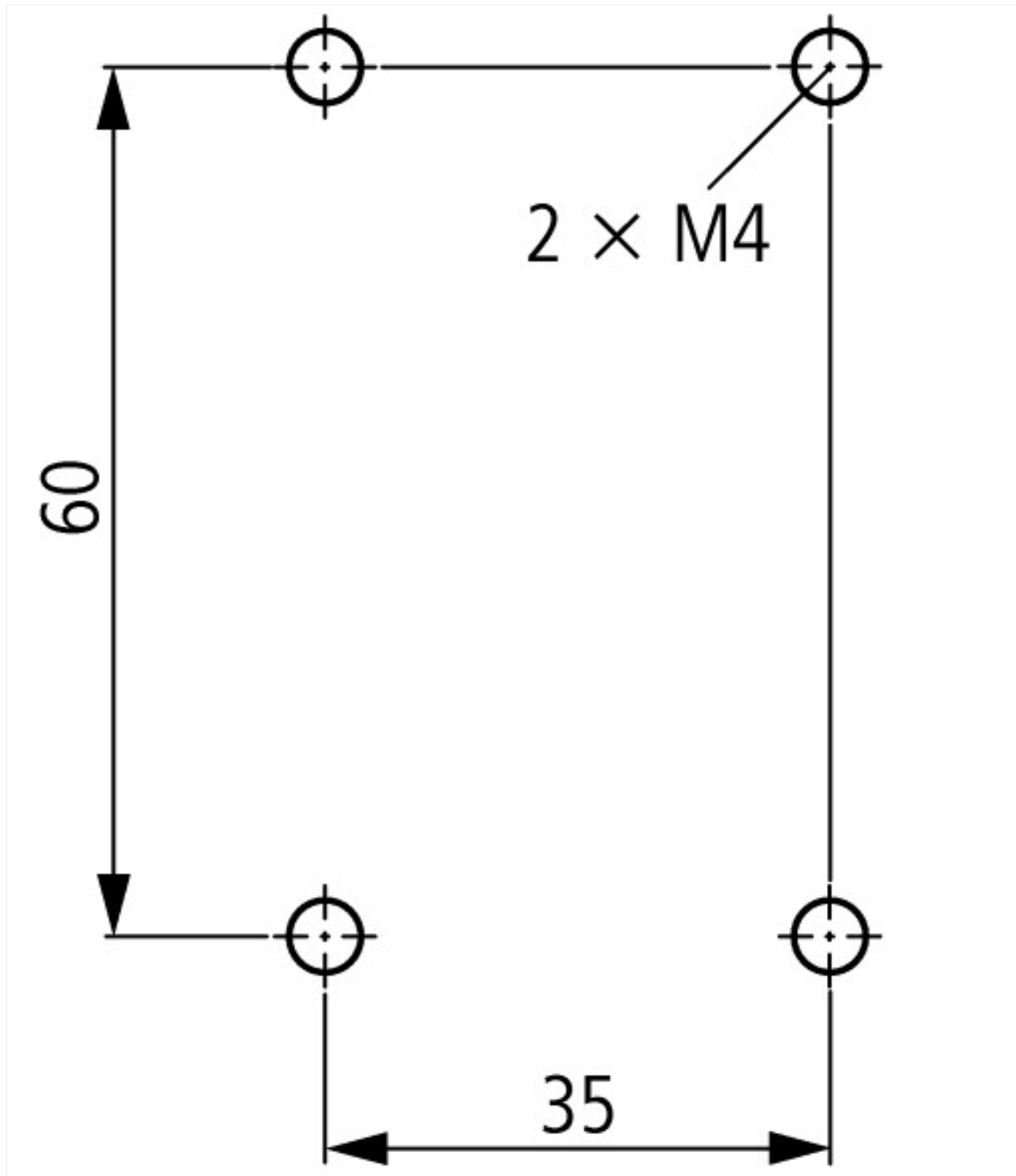
Mounting method

Front fastening

Dimensions



Contactor with auxiliary contact module



Additional product information (links)

IL03407013Z (AWA2100-2126) Contactors	
IL03407013Z (AWA2100-2126) Contactors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407013Z2012_03.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