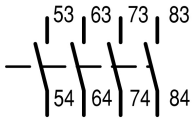
aux.contact module, 4-poles, front

Part no. DILA-XHI40
Article no. 276428

Powering Business Worldwide™

Delivery programme

Product range			Accessories
Accessories			Auxiliary contact modules
Description			with interlocked opposing contacts
Function			for standard applications
Pole			4 pole
Connection technique			Screw terminals
Rated operational current			
AC-3			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 60 °C	$I_{th} = I_e$	A	16
AC-15			
220 V 230 V 240 V	I_e	A	4
380 V 400 V 415 V	I_e	A	4
Contacts			
N/O = Normally open			4 N/O
Mounting type			Front fixing
Contact sequence			
For use with			DILM(C)7… DILM(C)9… DILM(C)12… DILM(C)15… DILM(C)17… DILM(C)25… DILM(C)32… DILM38… DILMP20… DILMP32… DILMP45… DILL…
Instructions			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)
Code number and version of combination			
Distinctive number			80E
			71
			62
For use with			Auxiliary contact for DILM7 - DILM38, DILA etc.

Approvals

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

Auxiliary contacts

Interlocked opposing contacts within an auxiliary contact module (to IEC 60947-5-1 Annex L)			Yes
N/C contact (not late-break contact) suitable as a mirror contact (to IEC/EN 60947-4-1 Annex F)			DILM7 - DILM32
Rated impulse withstand voltage	U_{imp}	V AC	6000

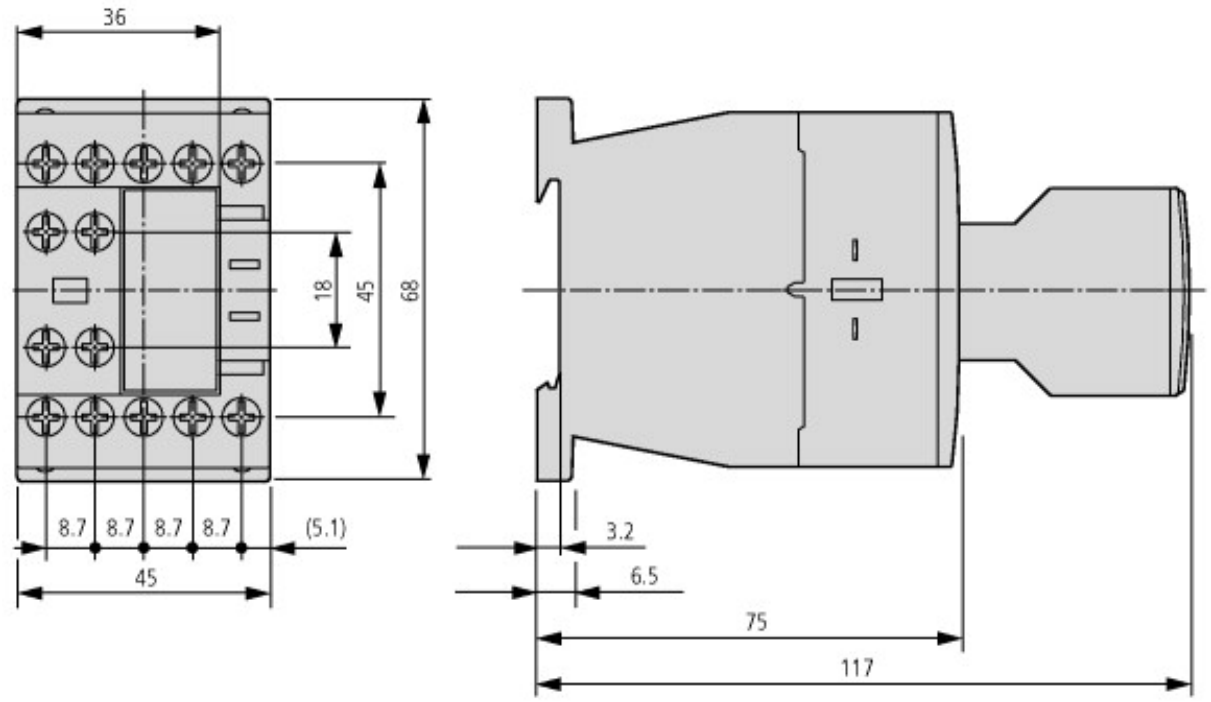
Overvoltage category/pollution degree			III/3
Rated insulation voltage	U_i	V AC	690
Rated operational voltage	U_e	V AC	500
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between coil and auxiliary contacts		V AC	400
between the auxiliary contacts		V AC	400
Rated operational current		A	
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 60 °C	$I_{th} = I_e$	A	16
AC-15			
220 V 230 V 240 V	I_e	A	4
380 V 400 V 415 V	I_e	A	4
500 V	I_e	A	1.5
DC current			
DC-13 L/R - 15 ms			
Contacts in series:		A	
1	24 V	A	10
1	60 V	A	6
2	60 V	A	10
1	110 V	A	3
3	110 V	A	6
1	220 V	A	1
3	220 V	A	5
DC-13 L/R - 50 ms			
Contacts in series:		A	
3	24 V	A	2.5
3	60 V	A	1
3	110 V	A	0.5
3	220 V	A	0.25
24 V	I_e	A	10
60 V	I_e	A	6
110 V	I_e	A	3
220 V	I_e	A	1
Control circuit reliability	Failure rate	λ	$<10^{-8}$, < one failure at 100 million operations (at U_e = 24 V DC, U_{min} = 17 V, I_{min} = 5.4 mA)
Component lifespan			
at U_e = 230 V, AC-15, 3 A	Operations	x 10^6	1.3
Short-circuit rating without welding			
max. fuse		A gG/gL	10

Technical data ETIM 4.0

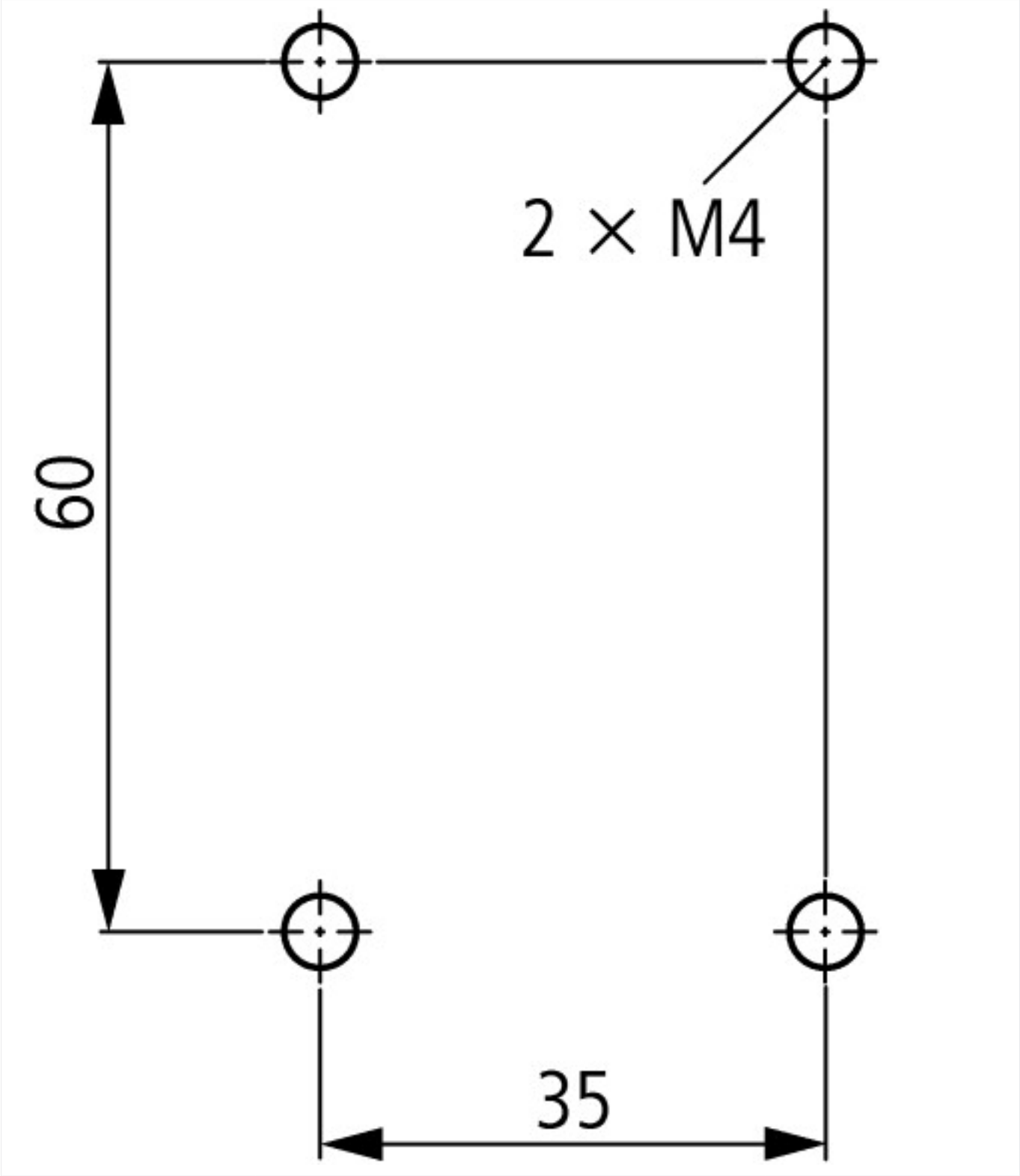
Suitable for earth leakage circuit breaker			No
Type of electric connection			Screw connection
Rated operation current Ie at AC-15, 230 V		A	4
Mounting type			Front mount
Suitable for pendant switch			No
Suitable for front element			No
Suitable for circuit-breakers			No
Suitable for safety position switches			No
Suitable for step switches			No

Suitable for pressure switch/selector switch actuator			No
Suitable for cam switches			No
Suitable for motor protective circuit breakers			No
Suitable for series-mounting relays			No
Suitable for solenoid			No
Suitable for compact switch-disconnector			No
Suitable for miniature circuit-breakers			No
Suitable for pulse relay			No
Suitable for contactor relay relay			YES
Suitable for pendant pushbutton			No
Suitable for residual current device			No
Number of contacts as change-over contact			0
Number of contacts as N/O			4
Number of contacts as NC			0
Suitable for impulse relays			No
Suitable for position switches			No
Suitable for switch-disconnector/residual current device			No
Suitable for contactors			YES
Suitable for installation contactor / installation relay			No

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 - New Generation:100 years of Moeler contactors - Continous Progress-	http://www.moeller.net/binary/ver_techpapers/ver937en.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 Cabel 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

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