









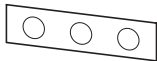
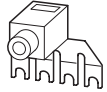

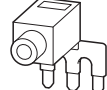

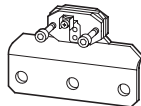




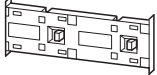
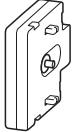
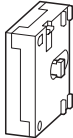
Magnetic Contactors and Starters Accessories

	Voltage	For use with	Circuit diagram	Type	Price	
	V			Artice No.	see price list	
Suppressors						
RC suppressors						
	24 – 48	DIL(E)EM		RCDILE48 044264		For AC operated contactors, 50 – 60 Hz. Drop-out delay should be taken into consideration.
	110 – 250			RCDILE250 046320		
	24 – 48	DIL(E)EM...-C		RCDILE48-C 230267		
	110 – 250			RCDILE250-C 230268		
	24 – 48	DIL00(A)M, DIL0(A)M, DIL1(A)M, DIL2(A)M		RCBDIL48 067345		
	110 – 250			RCBDIL250 069718		
	380 – 415			RCBDIL415 072091		
	24 – 48			DIL3M80 DIL4M115		
110 – 250	RCSDIL250 071613					
380 – 415	RCSDIL415 071614					
Varistor suppressors						
	24 – 48	DIL(E)EM		VGDILE48 010320		For AC operated contactors, 50 – 60 Hz DC operated contactors (DILEM...-G) have an integrated suppressor circuit as standard
	110 – 250			VGDILE250 010336		
	380 – 415	DIL(E)EM...-C		VGDILE415 010463		
	24 – 48			VGDILE48-C 230265		
	12 – 24	DIL00(A)M, DIL0(A)M, DIL1(A)M, DIL2(A)M, DIL3M80, DIL4M115		VGBDIL24 076837		
	24 – 48			VGBDIL48 071609		
	110 – 250			VGBDIL250 071610		
	380 – 415			VGBDIL415 071611		
	12 – 24	DIL00(A)M, DIL0(A)M, DIL1(A)M, DIL2(A)M	VGCDIL24 211018			
	24 – 48		VGCDIL48 211019			
	110 – 250		VGCDIL250 211020			
	380 – 415		VGCDIL415 211021			
Free-wheel diode suppressor	12 – 250 DC	DIL00(A)M, DIL0(A)M, DIL1(A)M, DIL2(A)M		FDBDIL 074464		For DC operated contactors. Drop-out delay should be taken into consideration.

Magnetic Contactors and Starters Accessories

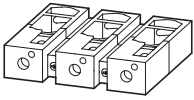
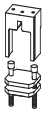
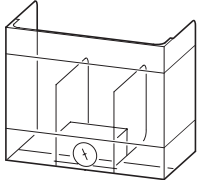





	For use with	Circuit diagram	Type Article No.	Price see price list	
Star-point bridges					
	DIL00(A)M		S1DIL00M 027130		Finger-safe design in accordance with IEC 536.
	DIL0(A)M		S1DIL0M 029503		
	DIL1(A)M		S1DIL1M 031876		
	DIL2(A)M		S1DIL2M 034249		
	DIL3M80		S1DIL3M 050735		
	DIL4M115		S1DIL4M 071575		
	DILM185 – DILM400		DILM400-XS1 208291		A cover is included for protection against accidental contact.
	DILM500		DILM500-XS1 208290		
Paralleling bridges (consisting of 2 paralleling links)					
For main contacts					
4-pole 	DIL(E)EM		P1DILEM 019095		4th pole can be broken off Continuous current carrying capacity (AC-1) of the open contactor increases by a factor of 2,5 P 1 DIL EM to P 1 DIL 4 M have finger-safe design in accordance with IEC 536..
	DIL00(A)M		P1DIL00M 081583		
3-pole 	DIL0(A)M		P1DIL0M 083956		Terminal capacity for P1DIL → page 03/091
	DIL1(A)M		P1DIL1M 086329		
	DIL2(A)M		P1DIL2M 088702		
	DIL3M80		P1DIL3M 050688		
	DIL4M115		P1DIL4M 071576		
	DILM185		DILM185-XP1 208292		For type DILM185-XP1 : A cover is included for protection against accidental contact.
Reversing wiring kits					
	DIL(E)EM(+MVDILEM)		MVS-WB-EM 220209		Consisting of one 3-pole paralleling link (top), with control bridge, and reversing link with A2 bridge
	DIL00(A)M		MVS-WB-00M 220210		Consisting of one 3-pole paralleling link (top) and reversing link with A2 bridge (bottom) Overload relay cannot be mounted directly to contactor
	DIL00(A)M+MVDILM		MVS-WB5MV 215512		
	DIL0(A)M		MVS-WB-0M 220211		
	DIL0(A)M+MVDILM DIL0(A)M/MV		MVS-WB-11MV 216344		
	DIL1(A)M DIL1(A)M		MVS-WB-1M 220212		

Magnetic Contactors and Starters Accessories

	For use with	Type	Price
		Article No.	see price list
Paralleling links for auxiliary contacts 	all top-mounting auxiliary contacts	BT480 052785	Not insulated. Standard quantity: 100 ¹⁾
Adapter set (consisting of 6 adapters) for cable lug connection 	DIL3M80	AKDIL3M 050834	For connecting cables with crimped lugs. Set includes 2 terminal covers.
	DIL4M115	AKDIL4M 071574	
Mechanical interlocks 	DIL(E)EM(-C)	MVDILE 010113	For contactors with the same or different magnetic systems mounted horizontally or vertically. Distance between contactors 0mm Mechanical lifespan $2,5 \times 10^6$ operations Additional auxiliary contacts can be mounted.
	DIL00(A)M(-C), DIL0(A)M, DIL1(A)M, DIL2(A)M	MVDILM 060226	For contactors with the same or different frame sizes, but with the same magnetic system mounted horizontally or vertically. Distance between contactors 15 mm Mechanical lifespan 5×10^6 operations
	DIL3M80 DIL4M115 DILM(C)185, DILM(C)225, DILM(C)250, DILM(C)300, DILM(C)400, DILM(C)500 DILM580, DILM650, DILM750, DILM820	DILM500-XMV 208289 DILM820-XMV 208288	For contactors with the same or different magnetic systems, mounted horizontally or vertically. Mechanical lifespan 5×10^6 operations No auxiliary contact can be mounted between interlock and contactor. Combination possible only of adjacent sizes. Distance between contactors: DIL3M80 - 4M115: 10 mm DILM185 - M820: 15 mm

Notes: ¹⁾ must be ordered in standard quantity

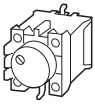

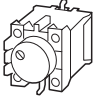


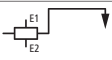




Magnetic Contactors and Starters Accessories

For use with	Type	Price	
	Article No.	see price list	
Cable terminal block			
with control circuit terminal			
	DILM(C)185, DILM(C)225	DILM225-XKU-S 208294	For cable connection. Single or double cables may be connected. → page 03/090 for sizes.
	DILM(C)250, DILM(C)300, DILM(C)400	DILM400-XKU-S 208293	
Flat strip conductor terminal kit ¹⁾			
With control circuit terminal (consisting of 3 flat strip conductor terminals)			
	DILM(C)500, DILM580, DILM650	DILM650-XKB-S 208296	For bus and flexibus connection.
	DILM750, DILM820	DILM820-XKB-S 208295	
Control circuit terminals			
	DIL0(A)M	ZKDIL0M 019229	Pressure wire connectors mounted directly to the main terminals for control circuit tap-off. 15A, 600V max., AWG 18 - 14
	DIL1(A)M, DIL2(A)M	ZKDIL1M 021602	
	DIL3M80, DIL4M115	ZKDILM 051138	
Main terminal			
	DIL1(A)M, DIL2(A)M	HKDILM 097762	For connecting large cross-sections, For connection of: up to 50 mm ² stranded or 35 mm ² flexible with ferrule
Covers			
Terminal cover			
	DILM(C)185, DILM(C)225, DILM(C)250, DILM(C)300, DILM(C)400	DILM400-XHB 208287	Protection against shock hazards and accidental contact.
	DILM(C)500	DILM500-XHB 208286	
	DILM580, DILM650	DILM650-XHB 208285	
	DILM750, DILM820	DILM820-XHB 208284	
Coupling connector			
provides a mechanical link when mounting groups of components together			
	DIL(E)EM(-C)	VODILE 026634	0 mm distance between contactors
	DIL00(A)M(-C), DIL0(A)M, DIL1(A)M, DIL2(A)M	VODIL 010772	0 mm distance between contactors
		V5/15DIL 013145	5 mm between contactors, for contactors with DC coil 15 mm between contactors, for mechanical interlock between contactors
		V10/A5DIL 015518	10 mm between contactors, for mounting one side mounting auxiliary contact between two contactors 5 mm between contactors for contactors with DC coil without permanent connection
Screw adapter			
	ETS4-VS3	CS-TE 095853	For screw-mounting of ETS4-VS3 interface modules

Notes:

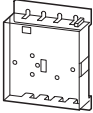



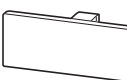
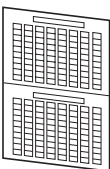
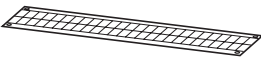
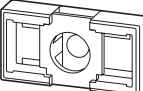
¹⁾ UL/CSA pending - please inquire

Magnetic Contactors and Starters Accessories

	For use with	Circuit diagram	Type Article No.	Price see price list	
Pneumatic timer modules					
On-delayed 	DIL00M(-C) – 2AM		TPE11DIL 002279		Switching times are convertible, 0,2 – 30 s or 20 – 180 s Snap-mounting on contactors
Off-delayed 	DIL00M(-C) – 2AM		TPD11DIL 002280		
Mechanical latching modules					
	DIL00M(-C)		V-GDIL(24VDC) 048562		Pulse duration 200 ms maximum other operating voltages → page 03/066
			V-DIL(120V60HZ) 043822		DF: 100 % other operating voltages → page 03/067
4th pole					
Only for AC-1 load, up to 2 auxiliary contacts can be mounted					
	DIL0M		NDIL0M 062006		Continuous current rating open/enclosed 35 A/30 A
	DIL1M		NDIL1M 060243		Continuous current rating open/enclosed 55 A/44 A
	DIL2M		NDIL2M 060264		Continuous current rating open/enclosed 75 A/60 A
Connection tabs for fast-on connectors 1 × 6.3 × 0.8/2 × 2.8 × 0.8 mm					
		DILEM, DIL00M to DILM820	BT483 ¹⁾ 059904		For auxiliary contact and coil connections. Use connectors with insulated sleeves. Standard quantity: 100
		DIL3M80 to DILM820	BT2571 ¹⁾ 062276		

Notes: ¹⁾ must be ordered in standard quantity


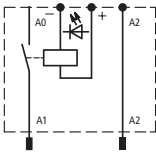

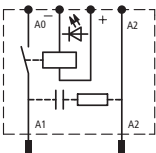

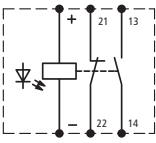

Magnetic Contactors and Starters Accessories

	Dimensions Width × Height	For use with	Type Article No.	Price see price list	
Sealable shrouds					
Transparent					
		DIL(E)EM	HDILE 010482		Cover snap-mounts onto the device and can be sealed to prevent tampering
		TPE11DIL TPD11DIL	PL-DILT 036073		Cover is fastened via a screw. Sealable to prevent access.
Component labelling system ¹⁾					
Clip-in label plate	8 × 10 mm	...DIL(-C)	KG10 ¹⁾ 022256		Clips into 2-pole auxiliary contact modules Standard quantity: 500
					
	8 × 20 mm	...DILE(-C), DILER(-C) ...DIL(-C), DILR(-C)	KG20 ¹⁾ 091075		Clips into 4-pole auxiliary contact modules and basic relays Standard quantity: 500
					
Label plate with mounting stud	8 × 17.5 mm Color: white	DIL00M(-C) - DIL2AM	XGKS-Z ¹⁾ 207508		For use on Moeller devices with matching mounting hole. Standard quantity: 500
					
Sheet of labels	7.5 × 17 mm Color: yellow HKS 3 (≈RAL 1018)	XGKS, XGKS-Z, KG 20 For inscription using laser printer, plotter, marker pen, copier	XGKE-GE ²⁾ 207517		Standard quantity: pad of 25 sheets, 240 labels per sheet, perforated and self-adhesive, for use with label plates. Price per sheet.
					
Card of label plates					
Can be inscribed by marker pen or plotter by Phoenix Contact or others,	8 × 17.5 mm	DIL3M80 to DILM820	XGKS-T ²⁾ 207505		Standard quantity 10 cards, 40 labels per card
					
Universal mounting adapter					
To secure XGKS on non-Moeller devices, enclosures, mounting plates, wiring, etc. Color: RAL 7035, light grey					
			XGKA-U ¹⁾ 207509		Mounting • self-adhesive, • with M3 screw or • cable tie Standard quantity: 250

Notes:

- ¹⁾ Must be ordered in standard quantity.
- ²⁾ Consult Moeller Electric for inscription software.

Magnetic Contactors and Starters Accessories

Output pilot duty rating		Operating voltage / operating current U_g/I V DC/mA	Circuit diagram	For use with contactors	Type	Price	
AC	DC				Article No.	see price list	
Interface modules, plug-in type							
	B300	R300	24/25		DIL00(A)M DIL0(A)M DIL1(A)M DIL2(A)M	VS1DIL 055480	For energizing of contactor from low level 24V DC inputs. The VS1 and VS2 plug directly into the DIL coil terminals, whereas the ETS4-VS3 mounts separately on a DIN rail and is suitable for all contactors. In cases where the rated coil current of a device exceeds 2A, use a DILER-G as an interface relay.
	B300	R300	24/25		DIL00(A)M DIL0(A)M DIL1(A)M DIL2(A)M	VS2DIL 057853	
Interface module for separate mounting							
	B300		24/25		as required	ETS4-VS3 083094	Contactor coils with rated operational currents > 2 A must be energized via the DILER-G mini contactor. Overvoltage limit: the input of the ETS4-VS3 is mounted with an integral suppressor circuit.
Front plates							
					DILR(-G) DIL00(A)M(-G)	HDIL00M 093665	For blanking off the auxiliary contact module mounting location on basic contactor units, and for component labelling. Minimum order quantity: 10

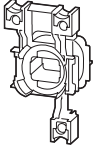
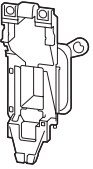

Application Notes:

Interface modules incorporate contacts which are actuated upon energizing of the module from low power 24V DC sources such as the outputs of sensors and programmable controllers. These contacts can then be used to switch in the high inrush coils of electromechanical relays and contactors which normally would be too much of a burden for these outputs. This also enables the relays and contactors to be energized directly from the AC line, thus saving the expense of more costly DC magnet systems for these components.

Control Circuit Reliability:

24V DC voltage and current tolerances are as per DIN EN 61 131-2: at minimum actuation levels of 17V and 5.4mA, the error rate is less than 1 fault in 100 million operations.

Magnetic Contactors and Starters Accessories

	For use with	AC Type Article No. Coil voltages shown in (...) For other coil voltages, → page 03/073	Price see price list	DC Type Article No. Coil voltages shown in (...) For other coil voltages, → page 03/073	Price see price list
Individual coils					
	DIL00(A)M	J-DIL00M(120V60HZ) 043830		G-DIL00M(24VDC) 048557	
	DIL0(A)M	J-DIL0M(120V60HZ) 047437		G-DIL0M(24VDC) 063206	
	DIL1(A)M	J-DIL1M(120V60HZ) 047449		G-DIL1M(24VDC) 063211	
	DIL2(A)M	J-DIL2M(120V60HZ) 048015		G-DIL2M(24VDC) 063216	
	DIL3M80	J-DIL3M(120V60HZ) 048919		G-DIL3M(24VDC) 063221	
	DIL4M115	J-DIL4M(120V60HZ) 048930		G-DIL4M(24VDC) 063226	
	DIL 00(A)M-C	J-DIL00M-C(120V60HZ) 232052		G-DIL00M-C(24VDC) 232065	
Electronic modules including coils					
	DILM185, DILM225, DILM250	DILM250-XSP/E(RA250) 208252		DILM250-XSP/E(RA250) 208252	
	DILM300, DILM400, DILM500	DILM500-XSP/E(RA250) 208256		DILM500-XSP/E(RA250) 208256	
	DILM580, DILM650, DILM750, DILM820	DILM820-XSP/E(RA250) 208259		DILM820-XSP/E(RA250) 208259	