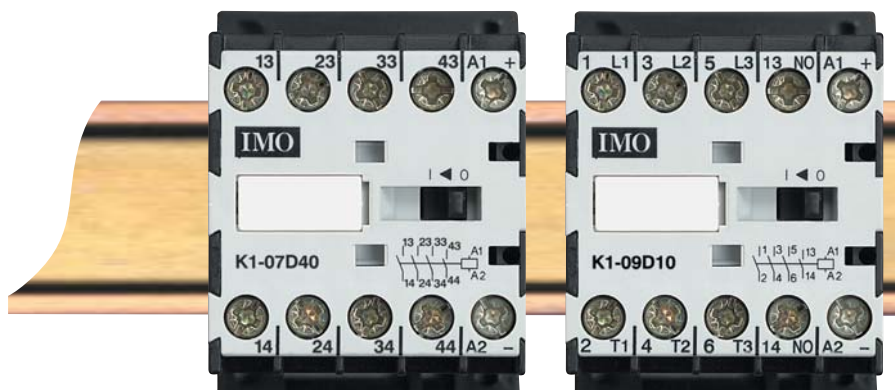


Designed for greater flexibility at both design and production stage, this versatile range has been engineered to meet the evolving needs of interface with electronic circuits. Features include:

- Din-rail mounting - right up to 74A AC3
- Compactness only 45mm wide up to 40A AC3
- Large terminations: 6mm² K3-10 to -22; 25mm² K3-24 to -40; 50mm² K3-50 to -74
- Increased operational currents AC1 + AC3
- Resistant to very high ambient temperatures (90°C) and humidity
- Made from halogen- and CFC-free plastics
- Single auxiliary contacts colour coded for easy identification
- 4 main pole versions available

introducing the



3-pole contactors

Standard coil voltages

24V 50/60Hz, 110V 50/60Hz

220-240V 50Hz, 380-415V 50Hz

24V DC

actual size



AC operated		Type	2.5mm ² cable terminal	K1-07D..	K1-09D10..
Auxillary contacts		Type		4 main poles available 4NO 2NO 2NC, 3NO 1NC	1NO
Auxillary contacts		Type			K1-09D01..
Auxillary contacts		Type			1 NC
DC operated		Type		K1-07D..=	K1-09D10=
Auxillary contacts		Type		4 main poles available 4NO 2NO 2NC, 3NO 1NC	1NO
Auxillary contacts		Type			K1-09D01=
Auxillary contacts		Type			1 NC
Main contacts		AC1 690V at 40°C A		16	20
		AC3 A		-	9
		230V		-	3
		380/400V kW		-	4
		500V kW		-	4
		660/690V kW		-	4
Cable cross-section		Solid mm ²		0.75-2.5	0.75-2.5
		Flexible mm ²		0.75-2.5	0.75-2.5
		Cables per clamp		2	2
Auxillary contacts		I _{th} at 40°C A		10	10
		AC15 at 230V A		3	3
		at 400V A		2	2
Coil AC operated		Inrush VA		25	25
		Hold VA		4-5	4-5
Additional aux. contact blocks		Front mounting: type		HK11 / HK22	HKM11 / HKM22
		Side mounting: type		-	-
Overload relay		Type		U12/16E	U12/16E

See reverse
for details

compacter 3-pole contactor from Π



K1-12D10..	6mm ² cable terminal	K3-101A10..	K3-14A10..	K3-18A10..
1NO		1NO	1NO	1NO
K1-12D01..		K310A01..	K3-14A01..	K3-18A01..
1 NC		1NC	1NC	1NC
K1-12D10=		K3-10A10=	K3-14A10=	K3-18A10=
1NO		1NO	1NO	1NO
K1-12D01=		K310A10=	K3-14A01=	K3-18A01=
1NC		1 NO	1NC	1NC
20		25	25	32
12		10	14	18
4		3	4	5
5.5		4	5.5	7.5
5.5		5.5	7.5	10
5.5		5.5	7.5	10
0.75-2.5		1.5-6	1.5-6	1.5-6
0.75-2.5		1.5-4	1.5-4	1.5-4
2		2	2	2
10		16	16	16
3		12	12	12
2		4	4	4
25		33-45	33-45	33-45
4-5		7-10	7-10	7-10
HKM11 / HKM22		HN10 / HN01 - HA10 / HA01		
-		-	-	-
U12/16E		U12/16E	U12/16E	U12/16E

MO



45mm

45mm

45mm

45mm

K3-22A10..	25mm² cable terminal	K3-24A00	K3-32A00..	K3-40A00..
1NO		-	-	-
K3-22A01..		-	-	-
1NC		-	-	-
K3-22A10..=		K3-24A00	K3-32A00..=	K3-40A00..=
1NO		-	-	-
K3-22A01..=		-	-	-
1NC		-	-	-
32		50	65	75
22		24	32	40
6		6	8.5	11
11		11	15	18.5
15		15	18.5	18.5
10		15	18.5	18.5
1.5-6		2.5-25	2.5-25	2.5-25
1.5-4		2.5-16	2.5-16	2.5-16
2		1+1	1+1	1+1
16		-	-	-
12		-	-	-
4		-	-	-
33-45		9-115	90-115	90-115
7-10		9-13	9-13	9-13
		HN10 / HN01 - HA10 / HA01		
-	KH11	KH11	KH11	
U12/16E	U12/16E / U32	U12/16E / U32	U12/16E / U32	



50mm ² cable terminal	K3-50A00..	K3-62A00..	K3-74A00..
	-	-	-
	-	-	-
	-	-	-
	K3-50A00..=	K3-62A00..=	K3-74A00..=
	-	-	-
	-	-	-
	-	-	-
	115	130	140
	50	62	74
	12.5	18.5	22
	22	30	37
	30	37	45
	30	37	45
	4-50	4-50	4-50
	6-35	6-35	6-35
	1+1	1+1	1+1
	-	-	-
	-	-	-
	-	-	-
	140-165	140-165	140-165
	13-18	13-18	13-18
HN10 / HN01 - HA10 / HA01			
KH11			
U60			

Accessories

Auxiliary contact blocks

for use with	K1-07D	K1-09D and K1-12D	K3-10 to K3-74	K3-10 to K3-74
Front mounting	HK11 / HK22 Ue 690V I _{th} 10A	HKM11 / HKM22 Ue 690V I _{th} 10A	HN10 / HN01 Ue 690V I _{th} 10A	HA10 / HA01 Ue 690V I _{th} 25A
Contacts	1NO/1NC / 2NO/2NC AC15: 230V 3A 400V 2A	1NO/1NC / 2NO/2NC AC15: 230V 3A 400V 2A	1NO / 1NC AC15: 230V 3A 400V 2A	1NO / 1NC AC15: 230V 6A 400V 4A
Number of contacts	1	1	max. 4(3) aux. HN.. or HA..	max. 4(3) aux. HN.. or HA..
Side mounting				KH11 (for K3-24 to K3-74) Ue 690V I _{th} 10A
Contacts				1NO and 1NC AC15: 230V 2.5A 400V 1.5A
Number of contacts				1 block right or left

Electronic timer for use with K3-10 to K3-74

Delay timer with LED indicator
 Repeat accuracy 1%-recovery time 50mS
 Rating AC15 0.75A @ 60V-0.1A @ 250V
 Max.inrush 25A-min.switching 5mA
 Delay -on supply 24-60V AC or DC - 100-250V AC or DC
 Delay-off supply 24-60V AC, 100-120V AC or 20-250V AC

	1-30 secs	10-180 secs	30-600 secs
Delay-on: type	K2-TE30	K2-TE180	K2-TE600
Delay-off: type	K2-TA30	K2-TA180	K2-TA600

Coil suppressor for use with

	K3-10 to K3-22	K3-24 to K3-74
12-24V AC/DC	K2-E44	VG-K2/24
24-48V AC/DC	K2-E48	VG-K2/48
110-230V AC/DC	K2-E220	VG-K2/250
250-415V AC/DC	K2-E380	VG-K2/415

Indicators for use with K3-10 to K3-74

Current indicator	Voltage indicator
24-660V AC or DC (voltage drop 2V)	220-415V AC or DC 24-120V AC or DC
Green (LED) K2-ING	White (Lamp) K2-UN
Red (LED) K2-INR	Red (LED) K2-UNR

Interface relay for use with K3-10 to K3-74

Relay to interface with electronic circuits
 1 make contact rated 0.75A max 250V AC 30V DC

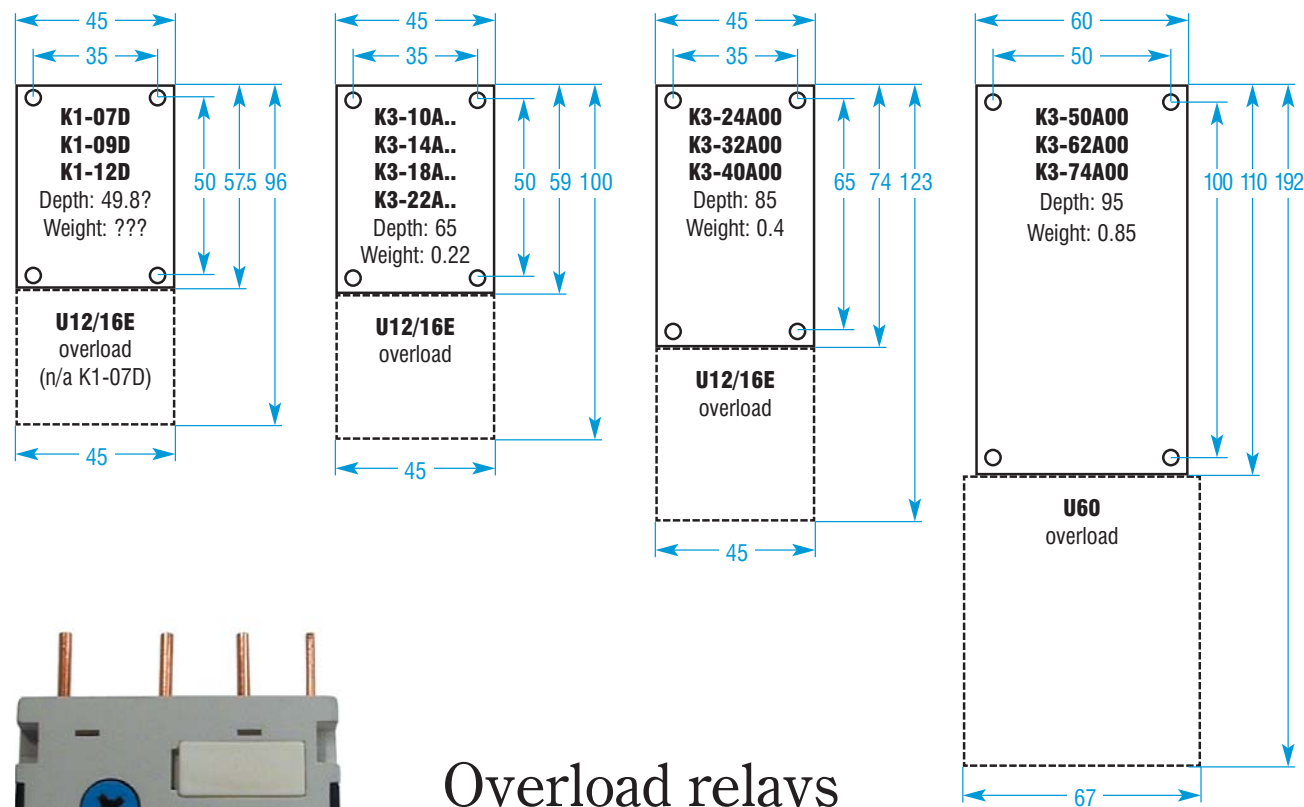
K2-IM 24V

Mechanical interlock for use with

K3-10 to K3-40	K3-24 to K3-74
LG 8851	LG9345

IMO

3-pole contactors dimensions (mm) and weights (kg)



Overload relays



U12/16E for use with
K1-09D to K3-40A

Setting range

DOL	Star Delta
0.12-0.18	-
0.18-0.27	-
0.27-0.4	-
0.4-0.6	-
0.6-0.9	-
0.8-1.2	-
1.2-1.8	-
1.8-2.7	3.1-4.7
2.7-4	4.7-7
4-6	7-10.5
6-9	10.5-15.5
8-11	14-19
10-14	18-24
13-18	23-31
17-23	30-40
22-30	38-52



U32 for use with
K3-24A to K3-40A

Setting range

DOL	Star Delta
10-14	18-24
14-20	24-35
20-28	35-48
28-42	48-73

U60 for use with
K3-50A to K3-74A

Setting range

DOL	Star Delta
20-28	35-48
28-42	48-73
40-52	70-90
52-65	90-112