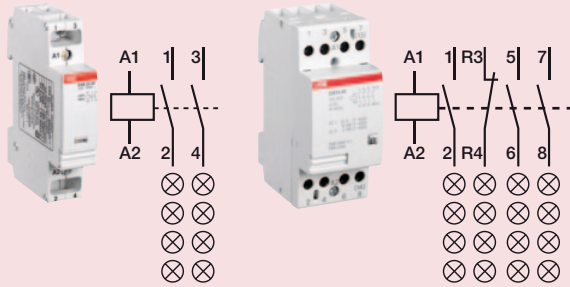
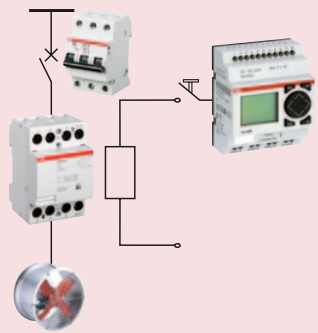


# Applications

## Lamp control

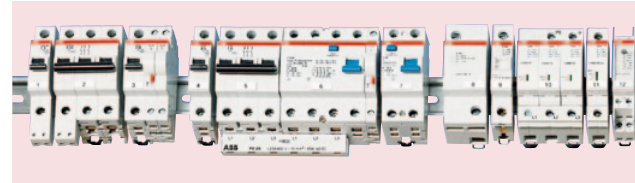
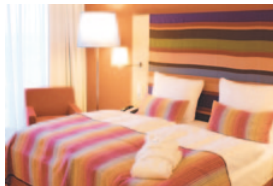
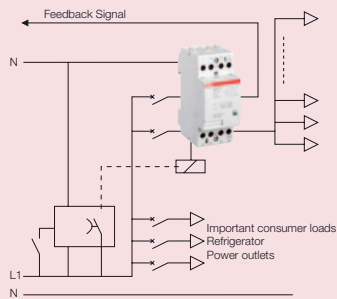


## Ventilation, Pumps, Motors



## Apartment control

Application with 3/4-pole contactor



## Installation contactors ESB/EN24, ESB40/EN40, ESB63

- Hum-free
- High overvoltage protection
- Protection against polarity reversal

## Contact us

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## Rated operational current and power

EN/ESB20	EN/ESB24	EN/ESB40	EN/ESB63
<b>Switching heaters and resistors, AC-1 / AC-7a</b>			
Rated operational current I <sub>e</sub> (NO)			
20 A	24 A	40 A	63 A
Rated operational current I <sub>e</sub> (NC)			
20 A	24 A	30 A	30 A
Rated operational power, 1-phase at 230 V			
4 kW	5.3 kW	8.8 kW	13.8 kW
Rated operational power, 3-phase at 400 V			
	16 kW	26 kW	41 kW
<b>Switching motors, AC-3 / AC-7b</b>			
Rated operational current I <sub>e</sub> (NO)			
9 A	9 A	22 A	30 A
Rated operational current I <sub>e</sub> (NC)			
9 A	6 A		
Rated operational power, 1-phase at 230 V			
1.3 kW	2.2 kW	5.5 kW	8 kW
Rated operational power, 3-phase at 400 V			
	4 kW	11 kW	15 kW
<b>Module width</b>			
18 mm	36 mm	54 mm	54 mm



Contacts	Type	Order-No.	Pack. unit
20 A 2-pole (No aux.-contact block possible)			
2NO	ESB 20-20 24 V 50/60 Hz	GHE3 211 102 R0001	10
2NO	ESB 20-20 230 V 50/60 Hz	GHE3 211 102 R0006	10
2NC	ESB 20-02 24 V 50/60 Hz	GHE3 211 202 R0001	10
2NC	ESB 20-02 230 V 50/60 Hz	GHE3 211 202 R0006	10
1NO, 1NC	ESB 20-11 24 V 50/60 Hz	GHE3 211 302 R0001	10
1NO, 1NC	ESB 20-11 230 V 50/60 Hz	GHE3 211 302 R0006	10
24 A 2-pole (1 aux.-contact block possible)			
2NO	ESB 24-20 24 V AC/DC	GHE3 291 402 R0006	5
2NO	ESB 24-20 24 V AC/DC	GHE3 291 402 R0001	5
24 A 4-pole (1 aux.-contact block possible)			
4NO	ESB 24-40 24 V AC/DC	GHE3 291 102 R0001	5
4NO	ESB 24-40 230-240 V AC/DC	GHE3 291 102 R0006	5
4NC	ESB 24-04 24 V AC/DC	GHE3 291 202 R0001	5
4NC	ESB 24-04 230-240 V AC/DC	GHE3 291 202 R0006	5
2NO, 2NC	ESB 24-22 24 V AC/DC	GHE3 291 302 R0001	5
2NO, 2NC	ESB 24-22 230-240 V AC/DC	GHE3 291 302 R0006	5
3NO, 1NC	ESB 24-31 24 V AC/DC	GHE3 291 602 R0001	5
3NO, 1NC	ESB 24-31 220-230 V AC/DC	GHE3 291 602 R0006	5
1NO, 3NC	ESB 24-13 24 V AC/DC	GHE3 291 702 R0001	5
1NO, 3NC	ESB 24-13 230-240 V AC/DC	GHE3 291 702 R0006	5
40 A 2-/3-/4-pole (1 aux.-contact block possible)			
2NO	ESB 40-20 24 V AC/DC	GHE3 491 402 R0001	3
2NO	ESB 40-20 230 V AC/DC	GHE3 491 402 R0006	3
3NO	ESB 40-30 24 V AC/DC	GHE3 491 502 R0001	3
3NO	ESB 40-30 230 V AC/DC	GHE3 491 502 R0006	3
4NO	ESB 40-40 24 V AC/DC	GHE3 491 102 R0001	3
4NO	ESB 40-40 230 V AC/DC	GHE3 491 102 R0006	3
3NO, 1NC	ESB 40-31 24 V AC/DC	GHE3 491 602 R0001	3
3NO, 1NC	ESB 40-31 230 V AC/DC	GHE3 491 602 R0006	3
2NO, 2NC	ESB 40-22 24 V AC/DC	GHE3 491 302 R0001	3
2NO, 2NC	ESB 40-22 230 V AC/DC	GHE3 491 302 R0006	3
63 A 2-/3-/4-pole (1 aux.-contact block possible)			
2NO	ESB 63-20 24 V AC/DC	GHE3 691 402 R0001	3
2NO	ESB 63-20 230 V AC/DC	GHE3 691 402 R0006	3
3NO	ESB 63-30 230 V AC/DC	GHE3 691 502 R0006	3
3NO, 1NC	ESB 63-31 230 V AC/DC	GHE3 691 602 R0006	3
4NO	ESB 63-40 24 V AC/DC	GHE3 691 102 R0001	3
4NO	ESB 63-40 230 V AC/DC	GHE3 691 102 R0006	3



### EN-Types – with benefits for service

EN-Types have an integrated 3-position switch for manual and automatic operation.

### Functions:

- Switch in position „AUTO“: standard control
- Switch in position „0“: Supply to coil interrupted
- Switch in position „I“: Manually switched on (a trigger signal at the coil terminal initiates the switch moving into „AUTO“ position)

Contacts	Type	Order-No.	Pack. unit
20 A 2-pole (No aux.-contact block possible)			
2NO	EN 20-20 24 V 50 Hz	GHE3 221 101 R0001	10
2NO	EN 20-20 230 V 50 Hz	GHE3 221 101 R0006	10
24 A 3-pole (1 aux.-contact block possible)			
3NO	EN 24-30 230-240 V AC/DC	GHE3 261 501 R0006	5
24 A 4-pole (1 aux.-contact block possible)			
3NO, 1NC	EN 24-31 24 V AC/DC	GHE3 261 601 R0001	5
3NO, 1NC	EN 24-31 230-240 V AC/DC	GHE3 261 601 R0001	5
4NO	EN 24-40 24 V AC/DC	GHE3 261 101 R0001	5
4NO	EN 24-40 230-240 V AC/DC	GHE3 261 101 R0006	5
40 A 3-pole (1 aux.-contact block possible)			
3NO	EN 40-30 230 V AC/DC	GHE3 421 501 R0006	3
40 A 4-pole (1 aux.-contact block possible)			
4NO	EN 40-40 24 V AC/DC	GHE3 421 101 R0001	3
4NO	EN 40-40 230 V AC/DC	GHE3 421 101 R0006	3
3NO, 1NC	EN 40-31 24 V AC/DC	GHE3 421 601 R0001	3
3NO, 1NC	EN 40-31 230 V AC/DC	GHE3 421 601 R0006	3
Accessories			
2NO	EH 04-20, Aux.-contact block	GHE3 401 321 R0001	1
1NO, 1NC	EH 04-11, Aux.-contact block	GHE3 401 321 R0002	1
distance pcs	ESB-DIS Spacer	GHE3 201 902 R0001	10
Seal	ESBPLK24	GHE3 201 903 R0001	10