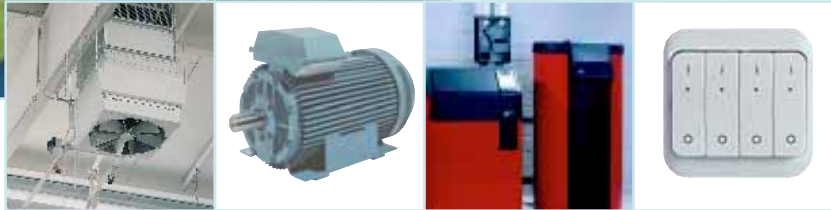


Installation Contactors ESB

Light is for seeing not for hearing





All over the world office buildings, Hospitals, hotels, public buildings, shopping centers, sport complexes and city lighting projects are equipped with ABB Low Voltage Products and Systems.

From switchboard to light switch we cover the complete range of equipment required for control and protection of electrical installations. Main applications are:

- Lamps/lighting
- Heating
- Ventilation
- Pumps and Motors

Architects, consultants, builder and contractors appreciate the performance/cost ratio provided by our products.

They have made ABB a well known reference for high quality and extremely reliable electrical equipment.



- Design for panel mounting
- Fitting to DIN rail products System pro M

The ABB Installation / Modular Contactors are specially designed fitting to modular DIN rail products and for applications where customers want to use the panel design with high finger protection. The DC coil provides a high silence, avoid absolutely the AC-vibrations. Also after a long period of start up there is still no vibration. This is important in hotels, hospitals, offices, wherever people live.

Highlights

- Noiseless operating DC coil
- AC/DC coil connection
- Integrated overvoltage protection 5kV
- Mounting and operation in any position
- Switch position indication
- EN types for remote or manual control
- Direct Connection to PLC / Automation-EIB-system
- Design for panel mounting
- Fitting to DIN rail products System pro M



EN types with integrated manual switch operating positions

1. "0" = Off-position
2. Automatic Control
3. "ON" = On-position

Advantages:

- Better setting up operation
- Functional test before start up
- Manual function is always available
- Higher safety and availability after drop out of an automation system

Ordering details

Contactor type Contact complement	Control voltage		Order code	Contactor type Contact complement	Control voltage		Order code	
ESB 20-20 2 NO	24 V	AC 50 Hz	GH E321 1102 R 0001	ESB 24-13 1 NO 3 NC	24 V	AC 40 ... 450 Hz or DC	GH E329 1702 R 0001	
	48 V		GH E321 1102 R 0003		48 V		GH E329 1702 R 0003	
	110 V		GH E321 1102 R 0004		110 ... 120 V		GH E329 1702 R 0004	
	230 V		GH E321 1102 R 0006		230 ... 240 V		GH E329 1702 R 0006	
	231...244 V		GH E321 1102 R 0005					
ESB 20-02 2 NC	24 V	AC 50 Hz	GH E321 1202 R 0001	ESB 40-40 4 NO	24 V	AC 40 ... 450 Hz or DC	GH E349 1102 R 0001	
	48 V		GH E321 1202 R 0003		42 V		GH E349 1102 R 0002	
	110 V		GH E321 1202 R 0004		48 V		GH E349 1102 R 0003	
	230 V		GH E321 1202 R 0006		110 V		GH E349 1102 R 0004	
	231...244 V		GH E321 1202 R 0005		230 V		GH E349 1102 R 0006	
ESB 20-11 1NO/1NC	24 V	AC 50 Hz	GH E321 1302 R 0001	ESB 63-40 4 NO	24 V	AC 40 ... 450 Hz or DC	GH E349 1102 R 0005	
	48 V		GH E321 1302 R 0003		42 V		GH E369 1102 R 0001	
	110 V		GH E321 1302 R 0004		48 V		GH E369 1102 R 0002	
	230 V		GH E321 1302 R 0006		110 V		GH E369 1102 R 0003	
	231...244 V		GH E321 1302 R 0005		230 V		GH E369 1102 R 0004	
ESB 24-40 4 NO	24 V	AC 40 ... 450 Hz or DC	GH E329 1102 R 0001	EN 24-40 24 V	AC 40 ... 450 Hz or DC	GH E326 1101 R 0001	GH E329 1102 R 0003	
	48 V		GH E329 1102 R 0004				230-240 V	GH E326 1101 R 0006
	110 ... 120 V		GH E329 1102 R 0006				230-240 V	GH E326 1501 R 0006
	230 ... 240 V		GH E329 1202 R 0001				24 V	GH E326 1601 R 0001
			GH E329 1202 R 0003				230-240 V	GH E326 1601 R 0006
ESB 24-04 4 NC	24 V	AC 40 ... 450 Hz or DC	GH E329 1202 R 0004	EN 24-31 24 V	DC	GH E326 1601 R 0006	GH E329 1202 R 0006	
	48 V		GH E329 1202 R 0006				230-240 V	GH E342 1101 R 0006
	110 ... 120 V		GH E329 1302 R 0001					
	230 ... 240V		GH E329 1302 R 0003					
			GH E329 1302 R 0004					
ESB 24-22 2 NO 2 NC	24 V	AC 40 ... 450 Hz or DC	GH E329 1302 R 0006	EN 40-40 230 V				
	48 V		GH E329 1602 R 0001					
	110 ... 120 V		GH E329 1602 R 0003					
	230 ... 240 V		GH E329 1602 R 0004					
			GH E329 1602 R 0006					
ESB 24-31 3 NO 1 NC	24 V	AC 40 ... 450 Hz or DC		other types on request				
	48 V							
	110 ... 120 V							
	230 ... 240 V		Aux. Contact					
			EH04-20				GH E340 1321 R0001	
			EH04-11				GH E340 1321 R0002	



Rated operating currents and power ratings

AC-1 / AC-7a	ESB 20	ESB 24	ESB 40	ESB 63
Rated operating current I_e (NO)	20 A	24 A	40 A	63 A
Rated operating current I_e (NC)	20 A	24 A	30 A	30 A
2 current paths connected in parallel permit a 1.6-fold increase in rated operating current I_e .				
Rated operating power (NO)				
230 V single-phase	4 kW	5.3 kW	8.8 kW	13.8 kW
230 V 3-phase		9.0 kW	15.2 kW	24.0 kW
400 V 3-phase		16.0 kW	26.0 kW	41.0 kW

AC-3/AC-7b	ESB 20	ESB 24	ESB 40	ESB 63
Switching motors				
Rated operating current I_e (NO)	9 A	9 A	22 A	30 A
Rated operating current I_e (NC)	9 A	6 A		
Rated operating power (NO)				
230 V single-phase	1.3 kW	1.3 kW	3.7 kW	5.0 kW
230 V 3-phase		2.2 kW	5.5 kW	8.0 kW
400 V 3-phase		4 kW	11 kW	15 kW



ABB STOTZ-KONTAKT GmbH

P. O. Box 10 16 80

69006 Heidelberg

Germany

Telephone: ++49 (0) 62 21 / 701-0

Telefax: ++49 (0) 62 21 / 701-729

Email: desst.info@de.abb.com

http://www.abb.de/stotz-kontakt