

Bar Contactors

ABB Bar contactors

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Description

- Variable number and type of main poles, (N.O., N.C.)
- Large number and type of auxiliary contacts
- Extremely versatile and easily accessible for maintenance
- Main poles maximum operating voltage:
 - AC switching up to 500 V, Type IOR
 - AC switching up to 1200V, Type IOR – MT
 - DC switching up to 440V, Type IOR
 - DC switching up to 750V, Type IOR – CC
- Specific construction available as standard:
 - Contactors with N.O./N.C. main poles, with or without overlapping
 - Contactors with magnetic latch or mechanical latch

Bar mounted contactors are largely used in the iron and steel industry for traction (rolling stock), electrolysis and hoisting equipment for applications from 63A to 5000A.

Applications

Standards

Bar contactors comply with major international standards:

- | | |
|-------------------|---|
| • IEC 947-4-1 | International Electrotechnical Commission |
| • UTE NF C 63-110 | France |
| • VDE 0660 | Germany |
| • BS 5424 | Great Britain |
| • NBN 222-2 | Belgium |

Please fill out the form on the next page with the required information and fax to us at 940-397-7085, ATTN: Standard control. We will get right back to you!

Specification check list

NAME: _____		Copy, complete, and fax to us at 940-397-7085. We'll get right back to you!	
COMPANY: _____			
PHONE: _____			
FAX: _____			
Control circuit		Alternative current	
Supply	Operating	AC1, AC2, AC3, AC4	Direct current
<input type="checkbox"/> AC current VoltageV ... Hz	AC current R <input type="checkbox"/> Rectified current RR <input type="checkbox"/>		DC1, DC2, DC3, DC4, DC5 L/R = ____ ms
<input type="checkbox"/> DC current Voltage ... VDC	DC current RE <input type="checkbox"/> (economy resistor) DC current RC <input type="checkbox"/> (solid core magnetic circuit)	Rated operational current I _e : _____ A Rated operational voltage U _e : _____ V Rated insulation voltage U _i : _____ kV	
Available auxiliary contacts		Number of poles	
NO contacts: _____		NO main poles: _____	
NC contacts: _____		NC main poles: _____	
Magnetic latch <input type="checkbox"/>		3-phase + Neutral: <input type="checkbox"/>	
Mechanical latch <input type="checkbox"/>		Ratings	
Latching voltage	BF: _____	<input type="checkbox"/> R63/85 <input type="checkbox"/> R800 <input type="checkbox"/> R3150	
Delatching voltage	BOI: _____	<input type="checkbox"/> R125/170 <input type="checkbox"/> R1000 <input type="checkbox"/> R4000	
		<input type="checkbox"/> R200/260 <input type="checkbox"/> R1250 <input type="checkbox"/> other	
		<input type="checkbox"/> R315/420 <input type="checkbox"/> R1500	
		<input type="checkbox"/> R500/550 <input type="checkbox"/> R2000	
Switching frequency		Contactors with NC main poles:	
Number of operations: _____		<input type="checkbox"/> With mechanical overlapping	
On-load factor: _____		<input type="checkbox"/> Without mechanical overlapping	
		<input type="checkbox"/> Adapted blow-out coil: (DC switching) I = _____ A	
		<input type="checkbox"/> No blow-out coil	
Dimensions		Climactic conditions	
Fixing dimension F=: _____ mm		_____	
Expected delivery date: / /		<input type="checkbox"/> Corrosive atmosphere	
		<input type="checkbox"/> Salty mist atmosphere	

Additional information you can provide:

Specification sheet, electrical diagrams, mounting sketches and any other useful information.

Operating altitude

- above 2,000 meters
- below 2,000 meters