

New Bar Contactors IOR 1400, IOR 1700, IOR 2100 ... for high power switching!

ABB has developed 3 new poles 1400 A, 1700 A and 2100 A with high switching performance. This allows us to propose a line of compact bar contactors from 63 A to 5000 A.

Those new products are specially designed for controlling high power dc motors up to 2000 A/1500 V, and for ac motors up to 1520 A.

Ideal for heavy duty applications:

- Industries: Mining, paper, steel industries, chemical industry, electrolysis process, furnaces
- Transit and railway systems
- Power generation: power plants, renewable energy (solar,...)

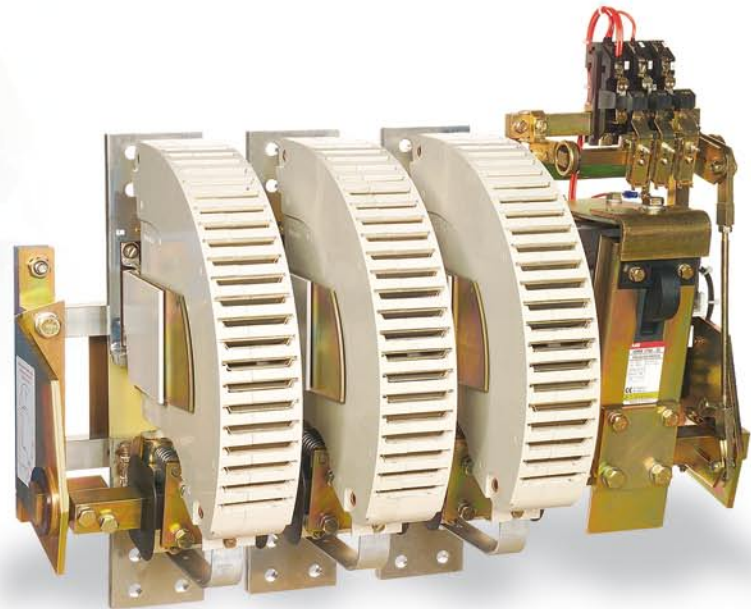


ABB expertise

- 60 years of worldwide experience and references
- Standard contactors or customized solutions
- Permanent current up to 5000 A
- Technical literature available on www.abb.com/lowvoltage
- Technical team available to select or adapt the optimized product and to provide support for maintenance and after sales

The ABB logo, consisting of the letters 'ABB' in a bold, red, sans-serif font.



Customer benefits

- High making and breaking capacity
- Improved performances for ac and dc switching
- Compact dimensions

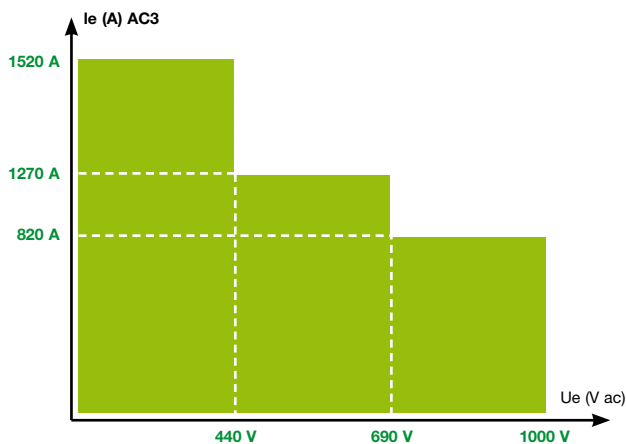
The other features of ABB bar contactors are still valid:

- Large number of options: combination of NO or NC main poles, large number of auxiliary contacts, ac or dc coil from 24 to 600 V, interlocking, mechanical latching
- Easy maintenance
- Long durability
- Compliance with IEC60947-4-1

Technical data acc to IEC60947-4-1	IOR 1400	IOR 1700	IOR 2100
Rated Insulation voltage U_i	1000 V	1000 V	1000 V
Thermal current I_{th}	1400 A	1700 A	2100 A
Rated operational current I_e (AC-3) 400/440 V	1060 A	1260 A	1520 A
690 V	970 A	1170 A	1270 A
1000 V	610 A	700 A	820 A
Rated operational current I_e (DC-5: $L/R < 7.5ms$)			
600 V (1 pole)	1250 A	1500 A	2000 A
1000 V (2 poles in series)	1250 A	1500 A	2000 A

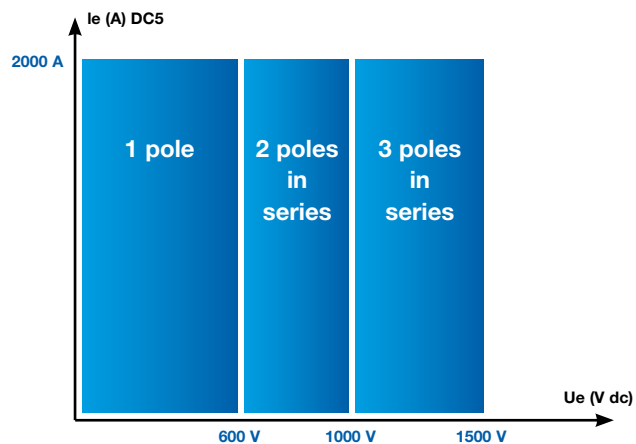
Example of technical data for IOR 2100 contactor

AC3 performances



Note: Higher current is possible with poles combination

DC switching performances



For technical catalogue and all information please contact your local ABB sales organization, or to consult: www.abb.com/lowvoltage

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