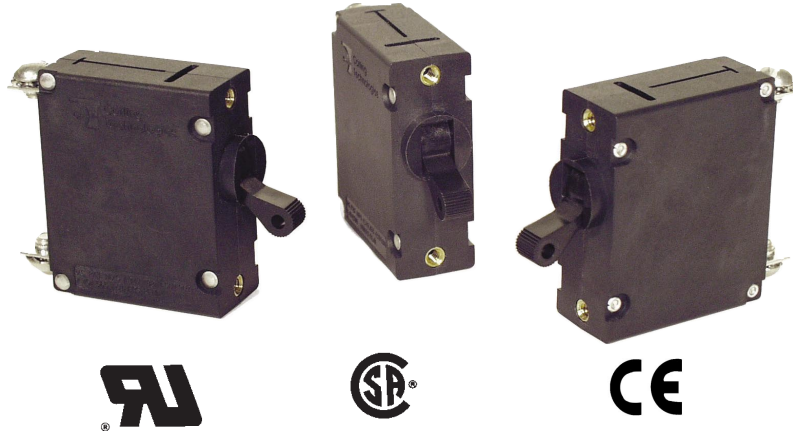


Application Solution 108:

Replacing two breakers with one: "The Global A-Series Breaker"



The Challenge:

Carling Technologies rose to the challenge presented by a world leading marine panel and component supplier to develop a AC/DC series trip, 1-3 pole breaker having the look of the popular A-Series, but the global agency approvals (CE marking) associated with the B-Series. This customer was looking to significantly reduce the need to buy both breaker types, thus reducing inventory. The tricky part of this challenge was to incorporate the 8mm over surface and through-air spacing between the operator and internal current carrying components, as required by IEC90634 while keeping the overall size of the breaker consistent with the A-Series.

The Solution:

The design engineers at Carling put their heads together and after much analysis and testing, they created the new Global A-Series Breaker. The key feature of this breaker is that it meets the global safety regulatory approvals on both AC and DC ratings.

The Results:

The Global A-Series breaker not only meets the size and look requirements of the customer, it meets the requirements of IEC60934 and is CE marked, making it a perfect breaker for original equipment manufacturers that export their products to Europe. The Global A-Series breaker is also UL1077 recognized and CSA certified. Electrically, they are rated up to 50 Amps, 80VDC/250VAC. Samples and production quantities are immediately available. Specify code "P" for agency approvals, in the standard A-Series catalog part number.

Applications:

Marine, Telecom, Power Supplies, Medical Equipment, etc.

Application Solution 108

April 21, 2003

For additional information and to order our A-Series Global breaker or any other Carling product, please contact a Carling Technologies Technical Customer Service Rep:

| | |
|----------|--|
| Phone | (860) 793-9281 |
| Fax | (860) 793-9231 |
| email | sales@carlingtech.com |
| internet | www.carlingtech.com |
| mail | Carling Technologies, Inc., 60 Johnson Avenue, Plainville, CT 06062-1177 |



Carling Technologies™
Innovative Designs. Powerful Solutions.