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Market Research News Application



Application: **Chemical Plants**
Produkt: ESS20
Client: Deutsche BP AG – Chemicals Production Köln (<http://www.bp.com>), Germany

The international BP group with more than 117,000 employees in more than 100 countries is one of the biggest companies of the world and belongs to the TOP THREE of the international oil industry. BP Köln in Germany is the BP's biggest chemical production site with some 2000 employees and a yearly production output of some 4.3 million tons of chemical raw materials and is the basis of BP's European petro-chemical activities.

In the production area "Analytic Engineering" of the Cologne facilities BP uses switch-mode power supplies for protection of DC24V loads. The connected load circuits are protected by means of the electronic E-T-A circuit breakers type ESS20. They limit the max. possible current and in the event of a failure they physically – and thus reliably – isolate the faulty circuit from the supply voltage. All this happens without the power supply switching off and shutting down large parts of the plant.

By the way: BP will be one of our first customers to use a new version of the ESS20 rated 1A and 2A to protect control cables with a cross section of 0.5 mm².

How did we win this business?

BP Cologne has been buying E-T-A products for many years (2210-S, 3600, 3900 and E-1079). Once they decided to use switch-mode power supplies, they had to solve the problem of a reliable overcurrent protection.

Originally they had the idea to use buffer devices (capacitors) to support the switch-mode power supplies. From the technical point of view this solution would have worked impeccably, however, it would have been costly and time-consuming.

When we presented type ESS20 as an alternative BP liked the idea from the start as it offered a far more economical solution than using capacitors as buffer elements.