

## Re: Ground fault

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- *From:* trickyrick <[rickj@xxxxxxxxxxxxx](mailto:rickj@xxxxxxxxxxxxx)>
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On Jun 25, 12:41 am, ehsjr <[e...@xxxxxxxxxxxxxxxxx](mailto:e...@xxxxxxxxxxxxxxxxx)> wrote:

trickyrick wrote:

Good day  
I have a little problem with my ground fault always tripping.

I have an above ground pool with a 1hp pump. I have a wire in a conduit to the pump. The wire is 14/2 and is about 100 ft from the panel. The pump will run for about 3 to 4 hours and then the breaker will trip. I have metered the wire and there are no grounds or shorts. The only thing that I can think of is maybe the size of the wire. I did unfortunately run the pump before with out any protection and the breaker never tripped.

Any suggestions on what might be the problem  
Thanks  
Rick

Kill power and look for crud/dirt in all involved junction boxes.

Ed

Ok I waited around for a couple of hours until the pump tripped the breaker (15 amp ground fault) . I checked both the hot and neutral side of the plug for a ground and nothing (my meter goes to 3 million ohms).

There are no junctions between the breaker and the pump. This is a new pump only 3 weeks old (1 hp). The one from last year sized up (bearings got wet) I could not get it going this season and even the old pump did it last year about half way through the season. Any other suggestions guys  
Thanks

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