

EARTH LEAKAGE BREAKER



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ABSTRACT OF THE DISCLOSURE

In an earth leakage breaker with a plurality of poles for detecting earth leakage on the basis of an output of a zero phase current transformer, conductors extending through the zero phase current transformer are shaped into a flat bar, and the conductor for at least one of the poles has a U-shaped bent portion near a portion thereof extending through the zero phase current transformer, and a magnetic shield portion is formed on a portion of the zero phase current transformer opposite to the bent portion. By the provision of the U-shaped bent portion, the portion of the conductor extending through the zero phase current transformer can be minimized. The magnetic shield portion provided on the portion of the zero phase current transformer opposite to the bent portion can prevent influence from the conductor even if the conductor is adjacent to a core of the zero phase current transformer, so that required balance characteristics can be obtained. Consequently, the zero phase current transformer can be made small-sized to provide an earth leakage breaker which is small in size and superior in balance characteristics.

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Fig. 2

