

SCREW-IN ELECTRICAL TERMINAL CONNECTOR

ABSTRACT

A screw-in electrical terminal connector particularly suitable for securely holding a stranded wire. The terminal connector includes a
5 terminal ring having a top wall, a bottom wall, and a pair of side walls. The side walls are spaced in a width direction of the ring. A terminal screw extends through a threaded hole in the top wall to define a cord gap between a lower end of the screw and a terminal plate on the bottom wall such that the electrical cord inserted into the cord gap is held against the terminal plate by
10 tightening of the screw. The cord gap includes a principal zone which is defined to have a width center coincident with an upright axis of the screw and extends in opposite directions horizontally along the width direction to have opposite width ends. The principal zone is configured to have said opposite width ends which have a gap distance which is narrower than at the
15 width center. Thus, when connecting the stranded wire composed of a plurality of filaments, the individual filaments can be concentrated around the width center of the principal zone of the cord gap and be therefore prevented from spreading outwardly of the width ends of the zone of reduced gap distance. With this result, the stranded wire can be securely held against the
20 terminal plate at a sufficient strength.

(Fig. 3)