

## Pull-out force for wires in crimped connections

The following pull-out forces are stipulated for solderless connections (crimped connections) in accordance with European standard EN 60352-2. The pull-out force is the minimum value, which can be exceeded. The compression force of the tool designed for use with each component is crucial for achieving this pull-out force.

Conductor cross-section		Pull-out force
mm <sup>2</sup>	AWG*	N
0.05	30	6
0.08	28	11
0.12	26	15
0.14		18
0.22	24	28
0.25		32
0.32	22	40
0.5	20	60
0.75		85
0.82	18	90
1.0		108
1.3	16	135
1.5		150
2.1	14	200
2.5		230
3.3	12	275
4.0		310
5.3	10	355
6.0		360
8.4	8	370
10.0		380

\* For information purposes only

The minimum values shown in the table are applicable unless specified otherwise by the manufacturer of the crimp sleeve (in the connection).