

Main Protection Line Differential Protection - Solkor-N 7SG18

Product description	Variants	Order No.
<p>Solkor N</p> <p>Line differential relay using direct fibre optic or metallic pilot wires for communication. Two terminal plain feeders only.</p>	<p><u>Relay type</u> Line differential</p> <p><u>Protection options</u> Basic functionality</p> <ul style="list-style-type: none"> - 3-phase overcurrent (50/51) - Earth-fault overcurrent (50N/51N) - 3-Phase differential (87L) - Trip circuit supervision (74TC) - Circuit breaker fail (50BF) - CT supervision - External/Internal intertrip (96) <p><u>Protection signalling channel type</u> 1300 nm optical fibre link (0-16km) 1300 nm optical fibre link (0-49km)</p> <p><u>Auxiliary supply /binary input voltage</u> DC 110/220 V auxiliary, DC/AC 110 V binary input DC 220 V auxiliary, DC/AC 220 V binary input</p> <p><u>I/O range</u> 1 Binary Inputs / 7 Binary Outputs (incl. 3 changeover) 9 Binary Inputs / 7 Binary Outputs (incl. 3 changeover)</p> <p><u>Frequency</u> 50Hz</p> <p><u>Nominal current</u> 1/ 5 A</p> <p><u>Housing size</u> Housing size E8 (4U high)</p> <p><u>Communication interface</u> Fibre optic (ST-connector) / IEC 60870-5-103 or Modbus RTU RS485 interface / IEC 60870-5-103 or Modbus RTU</p>	<div style="display: flex; justify-content: space-between; font-size: small;"> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 </div> <p>7 S G 1 8 □ 3 - □ □ □ 1 0 - 0 E □ 0</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%; text-align: center;"> ↑ 1 </div> <div style="width: 20%; text-align: center;"> ↑ 6 7 D C D C E A A C </div> <div style="width: 20%; text-align: center;"> ↑ 1 </div> <div style="width: 20%; text-align: center;"> ↑ B B C B C E B C </div> </div>

**Protection
Reyrolle**

3 models of 7SG18 are available:

7SG1813-6DC10-0EB0

7SG1813-6EA10-0EC0

7SG1813-7DC10-0EB0

All other variants have been discontinued.