

Technical specification

Insulation resistance (EN 61557-2)

<i>Meas. ranges (MΩ):</i>	R: 0.25 M Ω \div 199.9 M Ω , U _N =50 V \sim , 100 V \sim , 250 V \sim R: 0.15 M Ω \div 999 M Ω , U _N = 500 V \sim , 1 kV \sim U: 0 V \sim \div 1200 V \sim
<i>Nominal voltages:</i>	100 V \sim , 250 V \sim , 500 V \sim , 1 kV \sim
<i>Measuring current:</i>	min. 1 mA \sim at R _N =U _N \times 1 k Ω /V
<i>Short-circuit current:</i>	< 3 mA \sim

Continuity

R Low Ω (EN 61557-4)

<i>Meas. ranges (Ω):</i>	R: 0.16 Ω \div 1999 Ω
<i>Test current:</i>	min. \pm 200 mA \sim at 2 Ω
<i>Open-circuit voltage:</i>	6.5 V \sim \div 9.0 V \sim

Continuity 7mA

<i>Meas. ranges (Ω):</i>	R: 0.0 Ω \div 1999 Ω
<i>Test current:</i>	max. 8.5 mA \sim
<i>Open-circuit voltage:</i>	6.5 V \sim \div 9.0 V \sim

Line impedance (EN 61557-3)

<i>Meas. ranges (Ω):</i>	R _{L-N(L)} : 0.25 Ω \div 19.9k Ω
<i>I_{PSC}:</i>	calculated value
<i>Nominal voltage:</i>	30 V \div 500 V / 15 Hz \div 500 Hz

Fault loop impedance (EN 61557-3)

<i>Meas. ranges (Ω):</i>	R _{L-PE} : 0.25 Ω \div 19999 Ω
<i>I_{PFC}:</i>	calculated value
<i>Nominal voltage:</i>	50 V \div 500 V / 15 Hz \div 500 Hz

Voltage, frequency

U: 0V \div 550 V / f: 15 Hz \div 500 Hz

Phase rotation (EN 61557-7)

<i>Nominal voltage:</i>	100 V \div 550 V / 15 Hz \div 500 Hz
<i>Results:</i>	1.2.3 or 2.1.3

RCD (EN 61557-6)

<i>Meas. range (IΔN):</i>	10 mA, 30 mA, 100 mA, 300 mA, 500 mA, 1 A
<i>Nominal voltage:</i>	50 V \div 264 V / 15 Hz \div 500 Hz

Contact voltage U_c

<i>U_c:</i>	20.0 V \sim \div 31.0 V(62.0) V \sim
<i>for U_{c_{lim}}:</i>	25 V (50 V)

Tripping time

non-delayed

(time-delayed) RCDs

\times 1:	0 ms \div 300 ms (500 ms)
\times 2:	0 ms \div 150 ms (200 ms)
\times 5:	0 ms \div 40 ms (150 ms), U _c : 0.0 V \div 99.9 V

Tripping current

I Δ :	0.2 \times I Δ N \div 1.1 \times I Δ N AC (\div 1.5 \times I Δ N A)
t Δ :	0 ms \div 300 ms, U _c : 0.0 V \sim \div 100.0 V \sim

Multiplier: \times 0.5, \times 1, \times 2, \times 5

Resistance to earth (EN 61557-5)

<i>R:</i>	0,67 Ω \div 9999 Ω
<i>Open-circuit voltage:</i>	< 45 V _{RMS}
<i>Short-circuit current:</i>	< 20 mA