



01735E00

### Residual Current Circuit-Breaker Series 8562

- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- For use in pulsed DC and AC currents
- Protection against contact voltage
- Rated working current
  - 16 A
  - 25/40 A
- Rated leakage current
  - 10 mA
  - 30/100/300/500 mA

STAHL

# Zone 1 and Zone 2

Selection table						
Rated residual current $I_{\Delta N}$	No. of poles	Rated current	Additional options	Module width mm	Ordering code	Weight kg
30 mA	2-pole	25 A	without	54	<b>8562/52-2100-250</b>	1,200
			Auxiliary contact 1 changeover	72	<b>8562/53-2104-250</b>	1,500
	4-pole	25 A	Auxiliary contact, fault signal, 1 changeover	99	<b>8562/54-4105-250</b>	1,800
			without	99	<b>8562/54-4100-250</b>	1,800
	4-pole	40 A	without	99	<b>8562/54-4100-400</b>	1,800
			Auxiliary contact 1 changeover	99	<b>8562/54-4104-400</b>	1,800
300 mA	4-pole	25 A	without	99	<b>8562/54-4110-250</b>	1,500

Residual Current Selection table - Order Specific Configuration				
Version		Ordering code		
Number of contacts		2-pole		3-pole + n
Module width		Width 54 mm	Width 72 mm	Width 99 mm
Add. to ordering code		8562/52-2...-...	8562/53-2...-...	8562/54-4...-...
Rated leakage current in A	0,01	8562/...-09-...	8562/...-09-...	8562/...-09-...
	0,03	8562/...-10-...	8562/...-10-...	8562/...-10-...
	0,1	8562/...-17-...	8562/...-17-...	8562/...-17-...
	0,3	8562/...-11-...	8562/...-11-...	8562/...-11-...
	0,5	8562/...-12-...	8562/...-12-...	8562/...-12-...
Auxiliary contact	without	8562/...-0-...	--	8562/...-0-...
	1 CO	--	8562/...-4-...	8562/...-4-...
	Fault signal 1 CO	--	8562/...-5-...	8562/...-5-...
	2 CO - 1 CO normal, 1 CO Fault signal	--	--	8562/...-6-...
Rated current in A	16	8562/...-160	8562/...-160	--
	25	8562/...-250	8562/...-250	8562/...-250
	40	8562/...-400	8562/...-400	8562/...-400

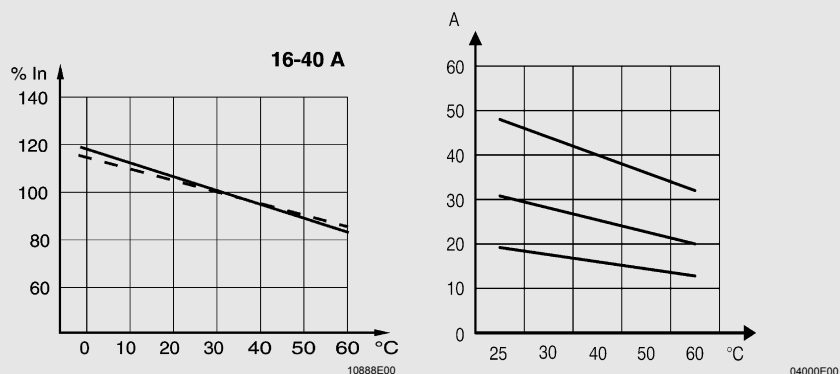
Technical Data	
Explosion protection	II 2 G EEx de IIC I M 2 EEx de I
Certificates	PTB 02 ATEX 1049 U
Other Certificates	IECEX
Tripping time at rated residual current	< 40 ms
Rated working voltage	2-pole: 230 V, AC 4-pole: 230 V ... 400 V, AC
Rated working and leakage currents	2-pole (54 mm): $I_N = 16\text{ A}$ ; $I_{\Delta N} = 10\text{ mA}$ $I_N = 25\text{ A}/40\text{ A}$ ; $I_{\Delta N} = 30/100/300/500\text{ mA}$ 4-pole (99 mm): $I_N = 25\text{ A}/40\text{ A}$ ; $I_{\Delta N} = 30/100/300/500\text{ mA}$

### Technical Data

No. of poles	2-pole; 4-pole
Note	AC and pulsed DC. The breaker has an external test button for checking earth fault function. Selective ELCB on request.
Supply	above / below
Ausführung	Type A, pulse current sensitive to EN 61008
Rated operating frequency	50 Hz / 60 Hz
Rated switching capacities	500 A (or 10 x I <sub>n</sub> )
Residual current switching-capacity I <sub>Δm</sub>	500 A (or 10 x I <sub>n</sub> )
Conditional rated short-circuit current I <sub>NC</sub>	6000 A
Conditional rated residual short-circuit current I <sub>ΔC</sub>	10000 A
Isolation function	Yes (to EN 61008)

### Correction factors

#### Correction factors for ambient temperatures other than 30 °C



Ambient temperature	Type 8562/51, Type 8562/52	- 55 °C ... + 40 °C
	Type 8562/53, Type 8562/54	- 20 °C ... + 40 °C
	In case of different temperature range	- 20 °C ... + 60 °C

please consider correction factor!

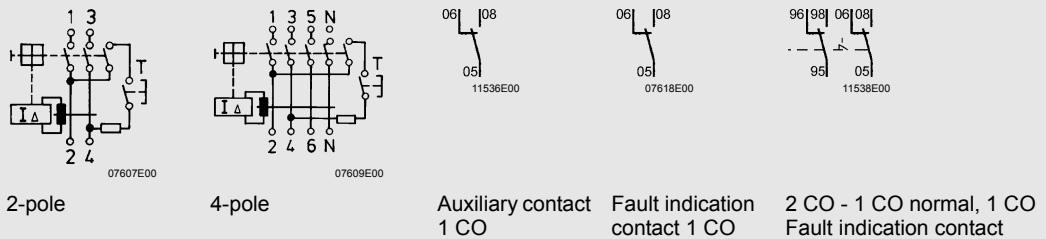
### Mechanical data

Material	
Housing	Epoxy resin
Terminals	Main contacts 1,5 ... 10 mm <sup>2</sup> clamp terminals Auxilliary contacts 1,5 mm <sup>2</sup> clamp terminals
Degree of Protection	Degree of protection to IEC 60529 Connections IP 20
Life	
mechanical	10 <sup>5</sup> switching cycles
electrical	10 <sup>5</sup> switching cycles
Impact strength	250 A, 8 / 20 μs
Auxiliary contacts	
Version	Options: 1 CO or/and 1 CO as a fault indication contact. 1 NO and 1 NO as a fault indication contact.
Rated working voltage	max. 240 V, AC

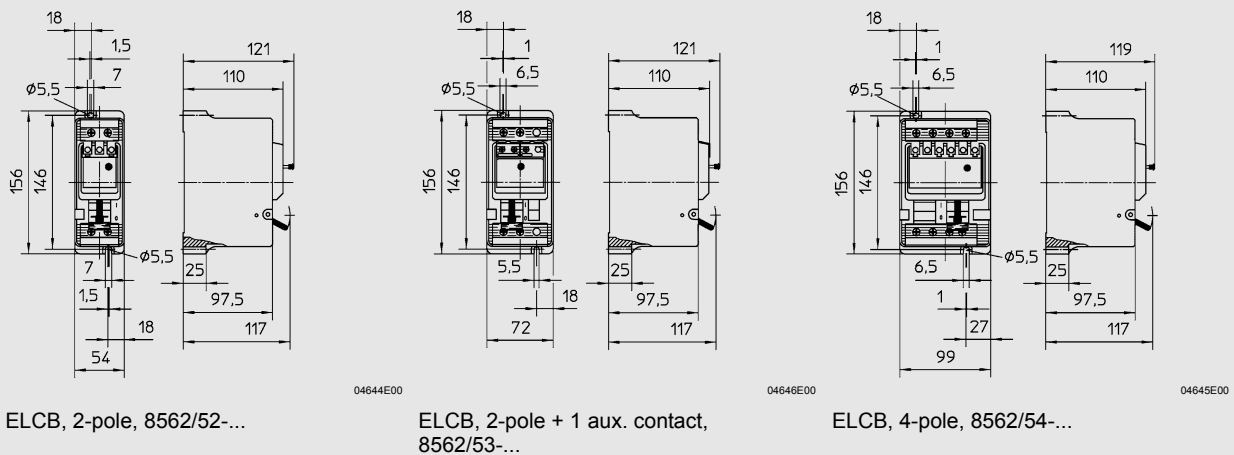
## Technical Data

Rated working current	5 A, at 230 V, AC 1 A at 60 V, DC									
Terminals	1,5 mm <sup>2</sup> clamp terminals									
Back-up fuse	Maximum values of conditional short-circuit current									
	Following residual current circuit-breaker	Preceding fuse type gG								
	Type	I <sub>N</sub> [A]	Fuse rated values							
			16 A	25 A	32 A	40 A	50 A	63 A	80 A	100 A
	8562/52	16	100 kA	100 kA	80 kA	50 kA	40 kA	25 kA	16 kA	10 kA
	2-pole	25	100 kA	100 kA	80 kA	50 kA	40 kA	25 kA	16 kA	10 kA
		40	100 kA	100 kA	80 kA	50 kA	40 kA	25 kA	16 kA	10 kA
	8562/54	25	100 kA	100 kA	80 kA	50 kA	40 kA	25 kA	16 kA	10 kA
	4-pole	40	100 kA	100 kA	80 kA	50 kA	40 kA	25 kA	16 kA	10 kA
	Overload monitoring									
	Type 8562/5	fusible link gG								
	16 A	10 A								
	25 A	20 A								
	40 A	32 A								

## Schematic



## Dimension drawings (all dimensions in mm) - subject to alterations



We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.

