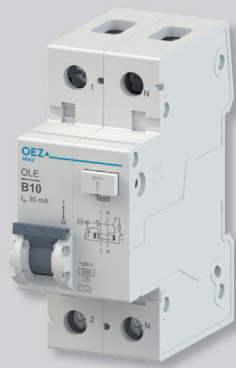
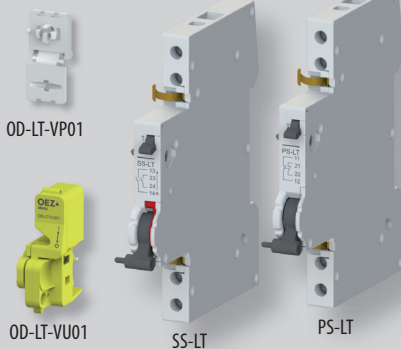


RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION OLE



OLE-10B-1N-030AC

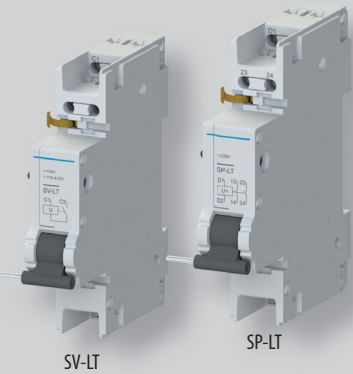


OD-LT-VP01

OD-LT-VU01

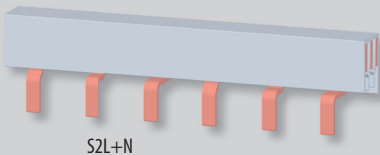
SS-LT

PS-LT



SV-LT

SP-LT



S2L+N



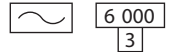
AS-50-S-AL01



OD-OL-NR01

- The device is a combination of residual current circuit breaker and circuit breaker.
- Breaking capacity 6 kA.
- For building, housing and similar installations up to 16 A, AC 230 V.
- For protection:
 - against dangerous contact with live parts ($I_{\Delta n} \leq 30 \text{ mA}$)
 - against dangerous contact with dead parts
 - against fire
 - against overload
 - against short-circuit.
- Tripping characteristics B, C according to EN 61009-1.
- Double terminal with a fixed barrier in the middle enables comfort connection of conductors and interconnecting busbar from both sides of the device. It enables connection of:
 - conductors of various cross sections
 - up to 4 conductors in the terminal
 - conductor of cross section up to 35 mm².
- Double terminal enables easy check of conductors at simultaneous connection of interconnecting busbar - the interconnecting busbar does not cover the conductor connecting place - see the LTN terminal on page B3.
- Wide range of accessories – auxiliary and signal switches, undervoltage releases and shunt trips, interconnecting busbars.
- Possibility of locking and sealing in off or on position.

Residual current circuit breakers with overcurrent protection, type AC



- They react to sine-wave residual current (type AC).

6 000
3

$I_{\Delta n}$ [mA]	I_n [A]	Characteristic B Type	Order code	Characteristic C Type	Order code	Number of modules	Weight [kg]	Package [pcs]
	6	OLE-6B-1N-030AC	OEZ:38313	OLE-6C-1N-030AC	OEZ:38320	2	0.25	1
	10	OLE-10B-1N-030AC	OEZ:38314	OLE-10C-1N-030AC	OEZ:38321	2	0.25	1
	16	OLE-16B-1N-030AC	OEZ:38315	OLE-16C-1N-030AC	OEZ:38322	2	0.25	1
30	20	OLE-20B-1N-030AC	OEZ:38316	OLE-20C-1N-030AC	OEZ:38323	2	0.25	1
	25	OLE-25B-1N-030AC	OEZ:38317	OLE-25C-1N-030AC	OEZ:38324	2	0.25	1
	32	OLE-32B-1N-030AC	OEZ:38318	OLE-32C-1N-030AC	OEZ:38325	2	0.25	1
	40	OLE-40B-1N-030AC	OEZ:38319	OLE-40C-1N-030AC	OEZ:38326	2	0.25	1

Accessories

Auxiliary and signal switches	PS-LT, SS-LT ¹⁾	page B36
Shunt trips	SV-LT ¹⁾	page B37
Undervoltage releases	SP-LT ¹⁾	page B37
Interconnecting busbars	S2L, S2L+N, S3L+N	page B45
Terminal extensions	AS-50-S-AL01	page B47
Locking inserts	OD-LT-VU01	page B38
Sealing insert	OD-LT-VP01	page B39

¹⁾ Installation requires OD-OL-NR01 handle adapter.

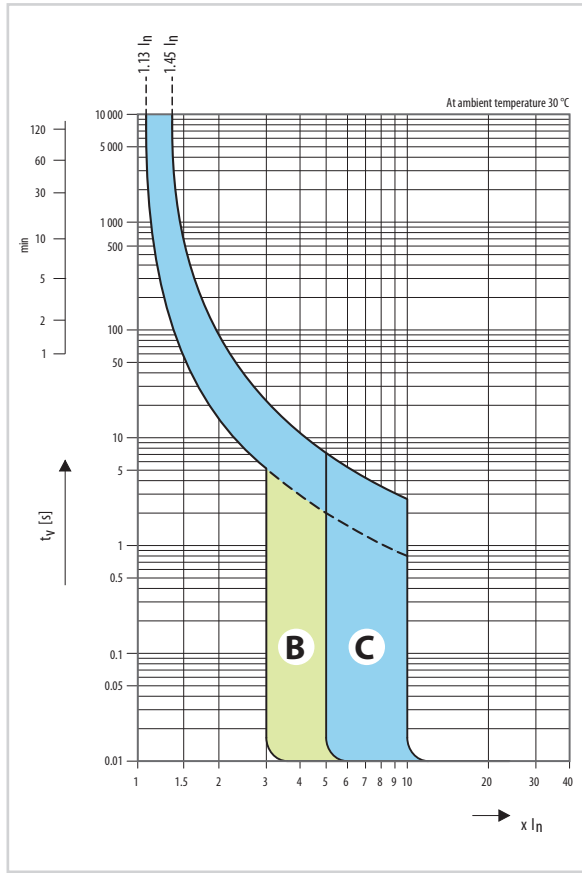
Specifications

Type	OLE	
Standards	EN 61009-1	
Approval marks		
Number of poles	2	
Tripping characteristics	B, C	
Type	AC	
Rated current	I_n	6 ÷ 40 A
Rated residual current	$I_{\Delta n}$	30 mA
Rated operating voltage	U_e	AC 230 V
Min. operating voltage ¹⁾	U_{min}	AC 100 V
Max. operating voltage	U_{max}	AC 255 V
Rated frequency	f_n	50 ÷ 60 Hz
Surge resistance (8/20 μ s)	1 kA	
Rated short-circuit breaking capacity	I_{cn}	6 kA
Rated residual making and breaking capacity	$I_{\Delta m}$	6 kA
Rated impulse withstand voltage (1.2/50 μ s)	U_{imp}	6 kV
Mechanical endurance	10 000 operating cycles	
Electrical endurance	10 000 operating cycles	
Energy limitation class	3	
Degree of protection	IP20	
Mounting on "U" rail according to EN 60715 – type	TH 35	
Connection		
Conductor Cu	see table Connection range on page C19	
Torque	2.5 ÷ 3 Nm	
Top or bottom connection	top/bottom	
Operating conditions		
Ambient temperature	-5 ÷ 40 °C	
Working position arbitrary	arbitrary	

¹⁾ For preserving the function of the test push-button

RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION OLE

Characteristics



- **Characteristic B:** for protection of line of electrical circuits with equipment, which does not cause current surges (lighting and socket circuits etc.). The short-circuit release is set to $(3 \div 5) I_n$.
- **Characteristic C:** for protection of line of electrical circuits with equipment, which causes current surges (light bulb groups, motors etc.). The short-circuit release is set to $(5 \div 10) I_n$.

Tripping characteristics of circuit breakers according to EN 61009-1

Thermal release	Tripping characteristic type
	B, C
Conventional non-tripping current I_{nt} for $t \geq 1$ hr	$I_{nt} = 1.13 I_n$
Conventional tripping current I_t for $t < 1$ hr	$I_t = 1.45 I_n$
Current I_3 for $1 \text{ s} < t < 60 \text{ s}$ and $I_n \leq 32 \text{ A}$	$I_3 = 2.55 I_n$

t - break time of the circuit breaker

Electromagnetic release	Tripping characteristic type	
	B	C
Current I_4 for $0.1 \text{ s} < t < 45 \text{ s}$ (for $I_n \leq 32 \text{ A}$)	$I_4 = 3 I_n$	
		$I_4 = 5 I_n$
Current I_5 for $t < 0.1 \text{ s}$	$I_5 = 5 I_n$	$I_5 = 10 I_n$

t - break time of the circuit breaker

Characteristics I²t

