

Protective Devices

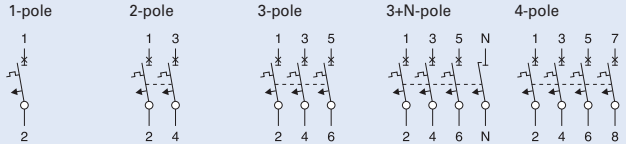
Miniature Circuit Breakers PLHT

- Independent switching contacts
- With isolator function, meets the requirements of insulation co-ordination, distance between contacts ≥ 4 mm, for secure isolation

Accessories:

Auxiliary switch for subsequent installation (0.5 MU)	Z-LHK	248440
Shunt trip release for subsequent installation (1.5 MU)	Z-LHASA/230	248442
	Z-LHASA/24	248441
Anti-tamper device	LH-SPL	85000870
Busbar see chapter busbar system		

Connection diagrams



Technical Data

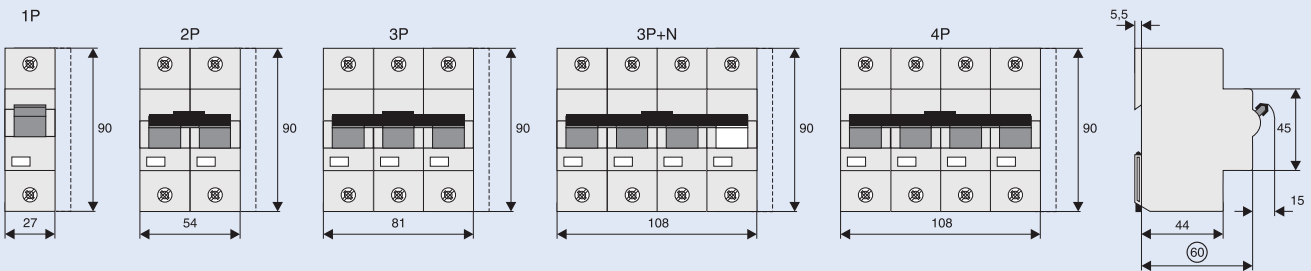
Electrical

Design according to	EN 60947-2
Current test marks as printed onto the device	
Rated voltage	
AC	230/400V
DC	60V (per pole, max. 2 poles)
Ultimate short circuit breaking capacity acc. to IEC/EN 60947-2	
Characteristics B, C	$I_n = 20-63$ A 25 kA $I_n = 80-100$ A 20 kA $I_n = 125$ A 15 kA
Characteristic D	$I_n = 20-63$ A 25 kA $I_n = 80$ A 20 kA $I_n = 100$ A 15 kA
Characteristic	in accordance with characteristics B, C, D
Back-up fuse	max. 200 A gL
Rated insulation voltage	440 V
Peak withstand voltage U_{imp}	4 kV
Selectivity class	in acc. with class 3
Endurance	$\geq 20,000$ operations

Mechanical

Frame size	45 mm
Device height	90 mm
Device width	27 mm (1.5MU) per pole
Mounting	quick fastening with 2 lock-in positions on DIN rail IEC/EN 60715
Degree of protection, built-in	IP40
Upper and lower terminals	lift terminals
Terminal protection	finger and hand touch safe, VBG 4, ÖVE EN-6
Terminal capacity	2.5-50 mm ²

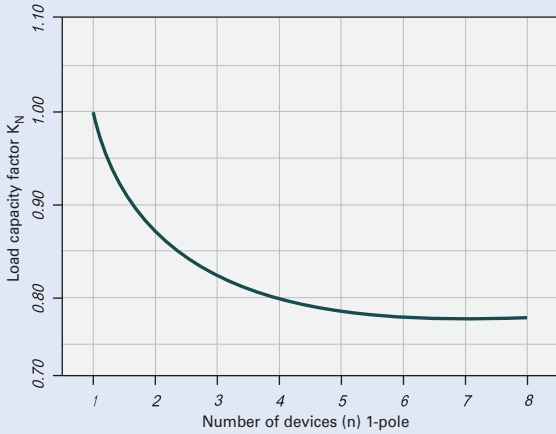
Dimensions (mm)



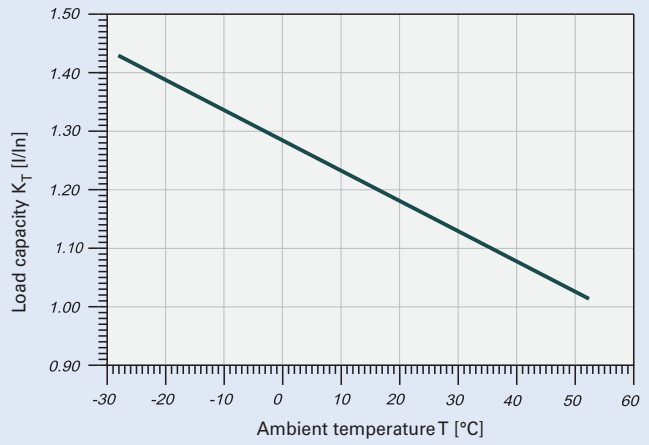
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Load Capacity

Load capacity in case of block installation



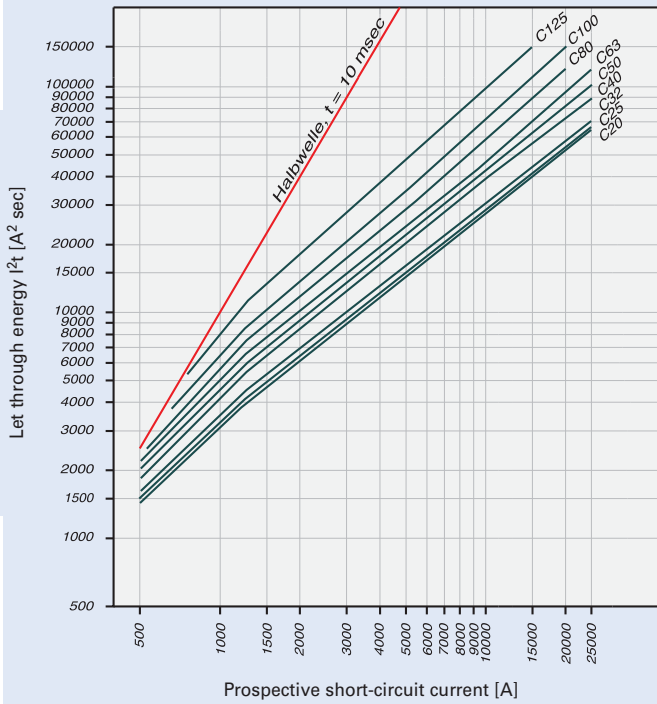
Effect of ambient temperature



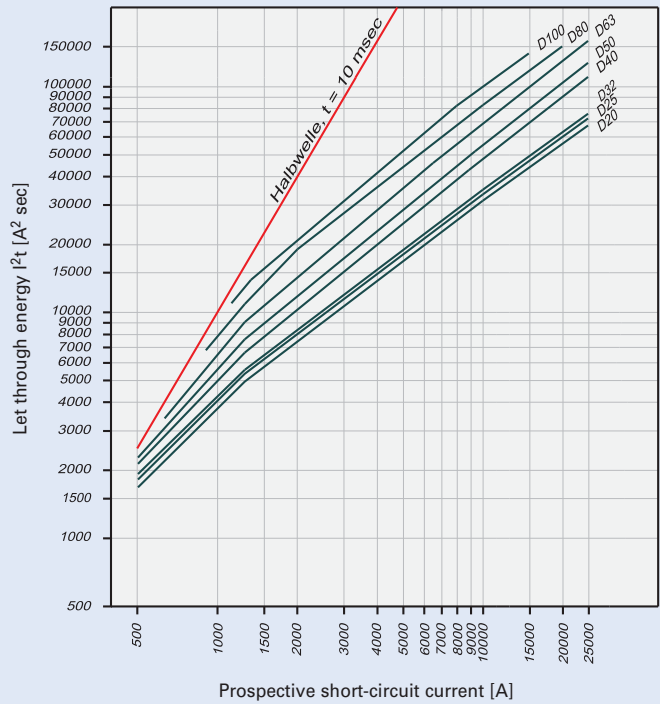
Permitted permanent load at ambient temperature T [°C] with n devices: $I_{DL} = I_n K_T(T) K_N(N)$.

Let-through Energy

Maximum let-through energy PLHT, characteristic C, 1-pole



Maximum let-through energy PLHT, characteristic D, 1-pole



Determined according to EN 60898-1.

xPole