



## Over current switch, 20A, 1p, type B characteristic

**Part no.** PL6-B20/1  
**Article no.** 286522

### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	20
Equipment heat dissipation, current-dependent	$P_{vid}$	W	3.2
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			
10.13 Mechanical function			

### Technical data ETIM 5.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)			
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8-27-14-19-01 [AAB905010])			
Release characteristic			B
Number of poles (total)			1
Rated current		A	20
Rated voltage		V	230
Rated short-circuit breaking capacity EN 60898		kA	6
Rated short-circuit breaking capacity IEC 60947-2		kA	0
Voltage type			AC
Current limiting class			3
Frequency		Hz	50
Concurrently switching N-neutral			No

Over voltage category			3
Pollution degree			2
Width in number of modular spacings			1
Built-in depth		mm	70.5
Additional equipment possible			Yes
Degree of protection (IP)			IP20