



Miniature circuit breaker (MCB), 50A, 3pole+N, type D characteristic

Part no. **FAZ6-D50/3N**  
 Catalog No. **177418**

Similar to illustration

### Delivery program

Number of poles		3 pole+N
-----------------	--	----------

### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	50
Equipment heat dissipation, current-dependent	$P_{vid}$	W	17.3
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	70
linear, per +1 °C, results in a 0.5% reduction of current carrying capacity			

### Technical data ETIM 7.0

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@ss10.0.1-27-14-19-01 [AAB905014])			
Release characteristic			D
Number of poles (total)			4
Number of protected poles			3
Rated current		A	50
Rated voltage		V	400
Rated insulation voltage $U_i$		V	440
Rated impulse withstand voltage $U_{imp}$		kV	4
Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 230 V		kA	6
Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 400 V		kA	6
Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 230 V		kA	6
Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 400 V		kA	6
Voltage type			AC
Frequency		Hz	50 - 60
Current limiting class			3
Suitable for flush-mounted installation			No
Concurrently switching N-neutral			Yes
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			4
Built-in depth		mm	70.5
Degree of protection (IP)			IP20
Ambient temperature during operating		°C	-25 - 75
Connectable conductor cross section multi-wired		mm <sup>2</sup>	1 - 25
Connectable conductor cross section solid-core		mm <sup>2</sup>	1 - 25

### Additional product information (links)

Temperature dependency, derating	<a href="https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ6.pdf">https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ6.pdf</a>
----------------------------------	---

