



**Miniature circuit breaker**  
**FB1-125 ECO C 1P 80A**  
 Order code: FB1C1080

**Technical specifications**

Main	
Standard	IEC/EN 60898, IEC/EN 60947-2
Series	FB1-125 ECO
Type	Miniature circuit breaker
Number of poles	1P
Number of protected poles	1
Rated current I <sub>n</sub> , A	80
Network type	AC
Rated frequency f, Hz	50/60
Trip unit technology	thermal-magnetic
Selectivity class	3
Tripping characteristics	C
Utilisation category	category A conforming to EN/IEC 60947-2
Rated voltage U <sub>n</sub> , V	230/400
Rated breaking capacity I <sub>cs</sub> , A	10 000
Rated voltage of the insulation U <sub>i</sub> , V	500
Rated impulse withstand voltage U <sub>imp</sub> , kV	4
Contact position indicator	yes
Control type	toggle
Mounting mode	clip-on
DIN rail mounting	TN 35
Height, mm	80
Width, mm	27
Depth, mm	73
Weight, kg	0.140
Mechanical service life (cycles)	20 000
Electrical service life (cycles)	8 000
Cross-section of connecting conductors, mm <sup>2</sup>	up to 50
Connecting of busbar	PIN
Connecting of additional devices	no
Bolt tensioning torque, Nm	3.0
Release time, s	≤0.01
Sealing option ON/OF	yes

Environment	
Protection class	IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Altitude above sea level, m	0...2 000
Operating temperature range, °C	-25...+55
Storage temperature range, °C	-25...+70
Warranty	5 years