

## Miniature circuit breaker (MCB), 16 A, 1p+N, characteristic: C

**Part no.**                    **FAZ-PN-C16/1N**  
**279159**

<b>General specifications</b>	
Product name	Eaton Moeller series xEffect - FAZ-PN MCB
Part no.	FAZ-PN-C16/1N
EAN	4015082791599
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	17.5 millimetre
Product weight	0.114 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60898 EN45545-2 IEC 61373
Product Tradename	xEffect - FAZ-PN
Product Type	MCB
Product Sub Type	None
<b>Delivery program</b>	
Application	Switchgear for industrial and advanced commercial applications xEffect - Switchgear for industrial and advanced commercial applications
Number of poles	Single-pole + N
Number of poles (total)	2
Number of poles (protected)	1
Tripping characteristic	C
Release characteristic	C
Amperage Rating	16 A
Type	FAZ-PN Miniature circuit breaker
<b>Technical Data - Electrical</b>	
Voltage type	AC
Voltage rating	240 V AC / 415 V AC
Voltage rating at DC	60 V DC (per pole)
Rated operational voltage (Ue) - max	230 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60947-2)	10 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	6 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	6 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	10 kA
Admissible back-up fuse - max	100 A gL/gG
Selectivity class	3
Lifespan, electrical	4000 operations
Overvoltage category	III
Pollution degree	2
Direction of incoming supply	As required
<b>Technical Data - Mechanical</b>	
Frame	45 mm
Enclosure width	80 mm
Width in number of modular spacings	1

Built-in depth		70.5 mm
Mounting width		17.5 mm
Mounting width per pole		17.5 mm
Mounting Method		Top-hat rail IEC/EN 60715
Degree of protection		IP40 (when fitted) IP20
Terminals (top and bottom)		Twin-purpose terminals
Connectable conductor cross section (solid-core) - min		1 mm <sup>2</sup>
Connectable conductor cross section (solid-core) - max		25 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - min		1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max		25 mm <sup>2</sup>
Terminal capacity (control cable)		16 mm <sup>2</sup> (1x)
Terminal protection		Finger and hand touch safe, DGUV VS3, EN 50274
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		75 °C
<b>Additional information</b>		
Current limiting class		3
Features		Concurrently switching N-neutral Additional equipment possible
Used with		FAZ-PN Miniature circuit breaker

## Technical data ETIM 9.0

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@ss13-27-14-19-01 [AAB905019])

Built-in depth	mm	70.5
Release characteristic		C
Number of poles (total)		2
Number of protected poles		1
Rated current	A	16
Rated voltage	V	230
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	6
Voltage type		AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	6
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	10
Frequency	Hz	50 - 60
Power loss	W	3
Current limiting class		3
Flush-mounted installation		No
Concurrently switching neutral conductor		Yes
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		1
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
Explosion-proof		No