

Circuit-breaker, 3p, 3200A, 1100V, fixed

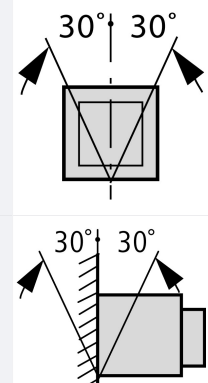
Part no. IZM32S3-V32F-1100V
 Catalog No. 123726

Delivery program

Product range			Air circuit-breakers/switch-disconnectors
Product range			Open circuit-breakers for 1100 V AC
Current Range			4000 to 6300 A
Protective function			Selective operation
Installation type			Fixed
Construction size			IZM32S
Standard/Approval			IEC
Number of poles			3 pole
Degree of Protection			IP20, IP55 with protective cover, IP41 with door sealing frame
Rated current = rated uninterrupted current	$I_n = I_u$	A	3200
Overload release, min.	I_r	A	1280
Overload release, max.	I_r	A	3200
Non-delayed	$I_i = I_n \times \dots$		2 - 10, OFF
Delayed	$I_{sd} = I_r \times \dots$		2 - 10

Notes
 Including rear connection main terminals and secondary terminal blocks according to ordered breaker options.

Technical data

General			
Standards			IEC/EN 60947
Ambient temperature			
Storage	θ	°C	-25 - +70 (device with LCD-display -20 - +70)
Operating (open)		°C	-25 - +70 (device with LCD-display -20 - +70)
Mounting position			
Utilization category			B
Degree of Protection			IP20, IP55 with protective cover, IP41 with door sealing frame
Direction of incoming supply			as required

Main conducting paths

Rated current = rated uninterrupted current	$I_n = I_u$	A	3200
Rated uninterrupted current at 50 °C	I_u	A	3100
Rated uninterrupted current at 60 °C	I_u	A	2800
Rated uninterrupted current at 70 °C	I_u	A	2550
Rated impulse withstand voltage	U_{imp}	V AC	8000
Rated operational voltage	U_e	V AC	1100

Overvoltage category/pollution degree			III/3
Rated insulation voltage	U_i	V	1100

Switching capacity

Rated short-circuit making capacity	I_{cm}		
up to 440 V 50/60 Hz	I_{cm}	kA	210
up to 690 V 50/60 Hz	I_{cm}	kA	210
Rated short-circuit breaking capacity I_{cn}	I_{cn}		
IEC/EN 60947 operating sequence I_{cu} 0-t-CO			
up to 1100 V 50/60 Hz	I_{cu}	kA	25
IEC/EN 60947 operating sequence I_{cs} 0-t-CO-t-CO			
up to 1100 V 50/60 Hz	I_{cs}	kA	25
Operating times			
Closing delay via spring release		ms	30
Break times		ms	40
Total opening delay via shunt release		ms	35
Total opening delay via undervoltage release		ms	35/70
Total opening delay on non-delayed short-circuit release (up to complete arc quenching)		ms	35
Maximum operating frequency	Operations/h		60
Heat dissipation at rated current I_n			
Fixed mounting		W	320
Withdrawable units (switch with cassette)		W	800

Weight

Fixed mounting			
3-pole		kg	70
4-pole		kg	89
Withdrawable			
3-pole		kg	88
4-pole		kg	115
Cassette			
3 pole		kg	60
4 pole		kg	73

Terminal capacities

Copper bar			
Fixed mounting			
Black		mm	3 x 10 x 100
Withdrawable units			
Black		mm	3 x 10 x 100
			Permissible continuous current for circuit-breakers operating in switchboards at various internal ambient temperatures. The switchboard's internal ambient temperature should be estimated using the calculation methods of IEC regulation.
Other technical data (sheet catalogue)			Tripping characteristics for universal and selective protection Notes - tripping characteristics

Design verification as per IEC/EN 61439

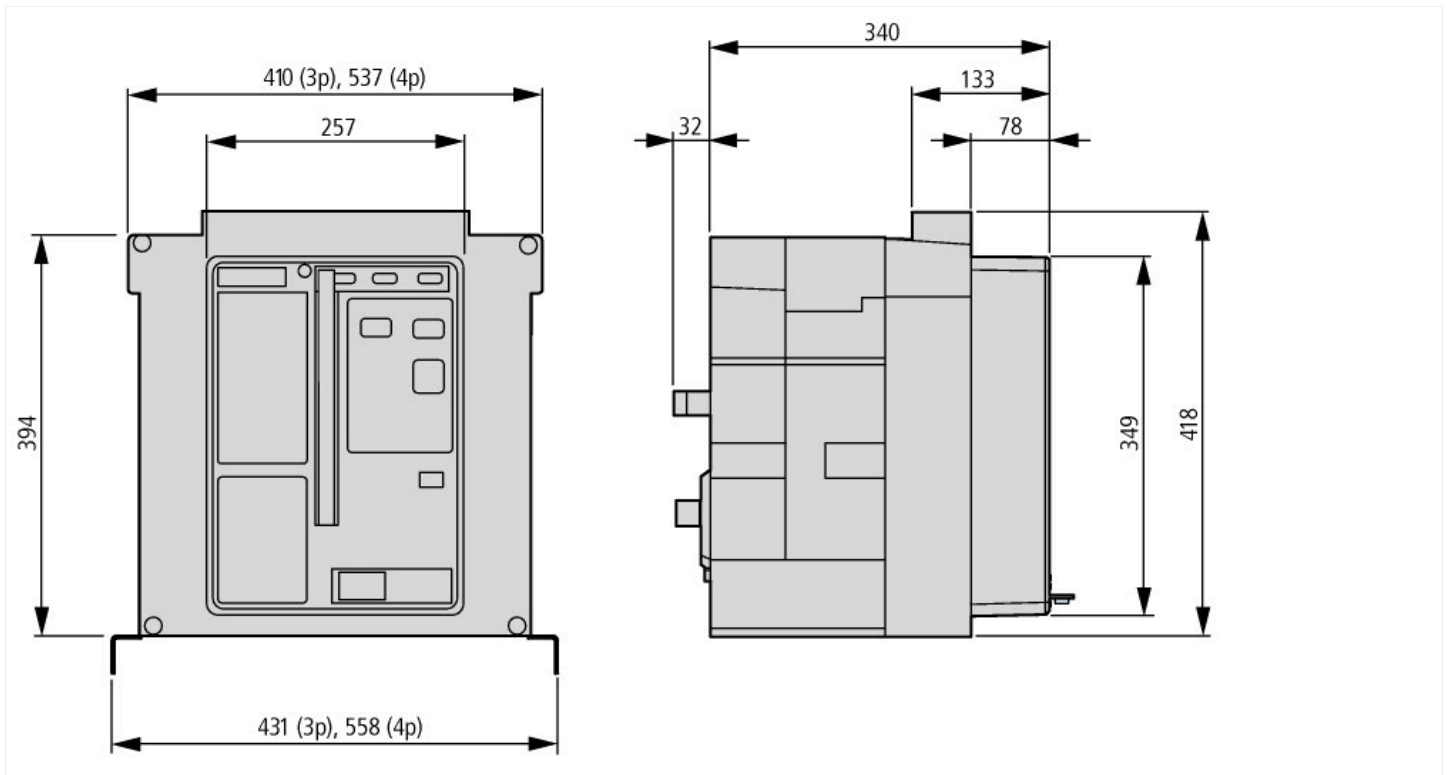
Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

Technical data ETIM 4.0

Rated permanent current I_u		A	3200
Rated short-circuit breaking capacity I_{cu} at 400 V, 50 Hz		kA	0
Setting range overload protector		A	1280 - 3200
Adjustment range short-term delayed short-circuit release		A	6400 - 32000
Adjustment range undelayed short-circuit release		A	6400 - 32000
Integrated earth fault protection			Yes
Connection type main current circuit			Rail connection

Device construction		Built-in device fixed built-in technique
Suitable for DIN rail (top hat rail) mounting		No
Number of auxiliary contacts as normally closed contact		2
Number of auxiliary contacts as normally open contact		2
Number of auxiliary contacts as change-over contact		0
Switched-off indicator available		Yes
With under voltage release		No
Number of poles		3
Position of connection for main current circuit		Back connection
Type of control element		Push button
Motor drive optional		Yes
Motor drive integrated		No
Degree of protection (IP)		IP20

Dimensions



Additional product information (links)

Notes - tripping characteristics	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=18.88
Tripping characteristics for universal and selective protection	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=18.79