

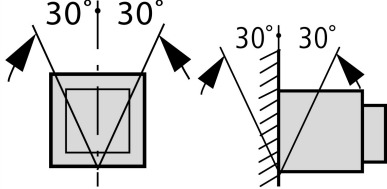
Part no. **IN32S3-32F-1100V**
 Catalog No. **123871**

Delivery program

Product range			Air circuit-breakers/switch-disconnectors
Product range			Open switch-disconnectors for 1100 V AC
Current Range			4000 to 6300 A
Protective function			without protection
Installation type			Fixed
Construction size			IN32S
Standard/Approval			IEC
Number of poles			3 pole
Degree of Protection			IP20, IP55 with protective cover
Rated current = rated uninterrupted current	$I_n = I_u$	A	3200
up to 440 V 50/60 Hz	I_{cm}	kA	210
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	-40 - +70
Operating (open)		°C	-25 - +70
Mounting position			
Utilization category			B
Degree of Protection			IP20, IP55 with protective cover
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	690
Use in IT electrical power networks up to $U = 440$ V	I_{IT}	kA	39
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	53
Operating times			
Closing delay via spring release		ms	35
Break times		ms	40
Total opening delay via shunt release		ms	30
Total opening delay via undervoltage release		ms	35/70

Maximum operating frequency	Ops./h	
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.

Design verification as per IEC/EN 61439

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

Dimensions

