

Part no. **IN32S3-32W-1100V**
 Catalog No. **123870**

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			Withdrawable
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

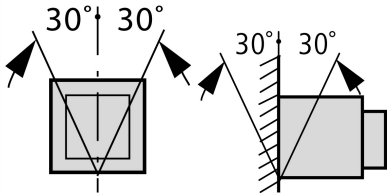
Including rear connection main terminals and secondary terminal blocks according to ordered breaker options.

Note concerning the product

Cassette needs to be ordered separately.

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

