



Switch-disconnector, 3p, 5000 A, fixed

**Part no.** IN63H3-50F-1  
**Catalog No.** 303682

## Delivery program

Product range			Air circuit-breakers/switch-disconnectors
Product range			Open switch-disconnectors
Current Range			5000 to 6300 A
Protective function			without protection
Installation type			Fixed
Construction size			IN63
Release system			Electronic release
Standard/Approval			IEC
Number of poles			3 pole
Degree of Protection			IP20, IP54 with protective cover, IP41 with door sealing frame
Rated current = rated uninterrupted current	$I_n = I_u$	A	5000
up to 440 V 50/60 Hz	$I_{cm}$	kA	220
t = 1 s	$I_{cw}$	kA	100
t = 3 s	$I_{cw}$	kA	65

## Technical data

### General

Standards			IEC/EN 60947
Ambient temperature			
Storage	$\theta$	°C	-40 - +70
Operating (open)		°C	-25 - +70
Utilization category			B
Degree of Protection			IP20, IP54 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	5000
Rated uninterrupted current at 50 °C	$I_u$	A	5000
Rated uninterrupted current at 60 °C	$I_u$	A	5000
Rated uninterrupted current at 70 °C	$I_u$	A	5000
Rated impulse withstand voltage	$U_{imp}$	V AC	8000
Rated operational voltage	$U_e$	V AC	690
Overvoltage category/pollution degree			III/3
Rated insulation voltage	$U_i$	V	1000

### Switching capacity

Rated short-circuit making capacity	$I_{cm}$		
up to 440 V 50/60 Hz	$I_{cm}$	kA	220
up to 690 V 50/60 Hz	$I_{cm}$	kA	220
Operating times			
Closing delay via spring release		ms	40
Total opening delay via shunt release		ms	40
Total opening delay via undervoltage release		ms	40
Lifespan		S	
Lifespan, mechanical	Switching cycles (ON/OFF)		5000

Lifespan, mechanical with maintenance	Switching cycles (ON/OFF)		8000
Lifespan, electrical	Switching cycles (ON/OFF)		3000
Lifespan, electrical with maintenance	Switching cycles (ON/OFF)		3000
Maximum operating frequency		Ops./h	
Maximum operating frequency	Operations/h		60
Heat dissipation at rated current $I_n$			
Fixed mounting		W	620
Withdrawable units (switch with cassette)		W	1550

### Weight

Fixed mounting			
3-pole		kg	125

### Design verification as per IEC/EN 61439

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