



HCF990U

**Switch h1600 3P 1600A**

**Technical properties**

**Architecture**

Type of order	Toggle
Neutral position	without neutral
Number of poles	3 P
Type of pole	3 P

**Functions**

Reversing switch	No
Trip Unit	SWITCH

**Main electrical features**

Rated operational voltage Ue	220 / 690 V
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

**Electric current**

Rated current	1600 A
Rated operational current in AC21	1600 A

**Current correction factors**

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

**Power**

Total power loss under I <sub>N</sub>	168.9 W
Power loss per pole at I <sub>n</sub>	56.3 W
Contact rating with 400 V in AC1	1053 kW

**Tripping**

Time of response when opening	10 ms
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**Endurance**

Electric endurance in number of cycles	4500
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**Cover, door**

Interlockable	Yes
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**Materials**

Toggle colour	Black
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**Connection**

Connection cross-sect. flexible conductor	3x240mm <sup>2</sup>
Connection cross-sect. rigid cable	3x240mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal

**Equipment**

Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	Yes

**Use cases**

Category of use	A
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**Standards**

Standard text	IEC 60947-3
European directive WEEE	not concerned

**Use conditions**

Operating temperature	-25...70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Air humidity protection	85% / 50°C
Storage/transport temperature	-35...70 °C