



HCF980U

**Switch h1600 3P 1250A**

**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	1250 A
Rated operational current in AC21	1250 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>	187.5 W
Power loss per pole at I <sub>N</sub>	62.5 W
Contact rating with 400 V in AC1	822 kW

**Tripping**

Time of response when opening	10 ms
-------------------------------	-------

**Endurance**

Electric endurance in number of cycles	4500
--	------

**Cover, door**

Interlockable	Yes
---------------	-----

**Materials**

Toggle colour	Black
---------------	-------

**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
-----------------	---

**Standards**

Standard text	IEC 60947-3
---------------	-------------

European directive WEEE	not concerned
-------------------------	---------------

**Safety**

Protection index IP	IP4X
---------------------	------

**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
-------------------------------	-------------