



HHJ321DR

**Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 320A 25kA FTC**

**Technical characteristics**

**Architecture**

Type of order	Toggle
Neutral position	left
Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D N:0/100%
Type of case	Fixed built-in

**Functions**

Complete device with protection unit	Yes
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	TM A/A
Integrated earth fault protection	No
Concurrently switching N-neutral	Yes

**Controls and indicators**

Motor drive integrated	No
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**Main electrical features**

Rated operational voltage Ue	220 / 415 V
Type of supply voltage	AC
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

**Electric current**

Rated current	320 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Rating current 10°C according to IEC 60947	380.7 A
Rating current 15°C according to IEC 60947	373.6 A
Rating current 20°C according to IEC 60947	366.5 A
Rating current 25°C according to IEC 60947	359.1 A
Rating current 30°C according to IEC 60947	351.7 A

Rating current 35°C according to IEC 60947	344 A
Rating current 40°C according to IEC 60947	336.2 A
Rating current 45°C according to IEC 60947	328.2 A
Rating current 50°C according to IEC 60947	320 A
Rating current 55°C according to IEC 60947	311.6 A
Rating current 60°C according to IEC 60947	302.9 A
Rating current 65°C according to IEC 60947	294 A
Rating current 70°C according to IEC 60947	284.8 A
Breaking capacity on 1 pole for IT 230V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Range of the thermal adjustment	225 / 250 / 320 A
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA
<b>Dimensions</b>	
Depth of installed product	150 mm
Height of installed product	260 mm
Width of installed product	185 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Power loss per pole at 0.63*In	9.9 W
Power loss per pole at 0.8*In	16 W
Total power loss at 0.63*In	29.8 W
Total power loss at 0.8*In	48 W
Total power loss under IN	75 W
Power loss per pole at In	25 W
<b>Tripping</b>	
Time of response when opening	10 ms
<b>Installation, mounting</b>	
Tightening torque	18Nm
DIN rail mounting with optional adaptor	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

Subject to technical modifications

**Connection**

Connection	Front connection
Type of connection	Terminal

**Protection**

Instantaneous protection (li): type	fixed
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**Cable**

Cable Material	Cu
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**Settings**

Range of the magnetic adjustment	1600 / 1920 / 2240 / 2560 / 2880 / 3200 A
Magnetic protection nob setting xIN	5 / 6 / 7 / 8 / 9 / 10

**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
Can be accessorized	Yes

**Use cases**

Category of use	A
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**Standards**

Standard text	IEC 60947-2
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**Safety**

REACH conform	Yes
RoHS conform	Yes
Halogen free	No

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

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Temperature of calibration	50 °C
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