



## HMW630NR

## Moulded Case Circuit Breaker h3+ P630 Energy 3P3D 630A 50kA FTC

## **Technical characteristics**

Arc	hit	00	tu	ro

Architecture	
Type of order	Toggle
Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
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	ENERGY
Integrated earth fault protection	No
Controls and indicators	
Motor drive integrated	No
Main electrical features	
Rated operational voltage Ue	220 / 690 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	630 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	12 kA
Rating current 10°C according to IEC 60947	630 A
Rating current 15°C according to IEC 60947	630 A
Rating current 20°C according to IEC 60947	630 A
Rating current 25°C according to IEC 60947	630 A
Rating current 30°C according to IEC 60947	630 A
Rating current 35°C according to IEC 60947	630 A

Rating current 50°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated service breaking capacity (st under 660V AC according IEC 60947-2 Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Breaking capacity on 1 pole for IT 405V NF 60947-2 Rated ultimate short-circuit breaking capacity icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 610V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 610V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 580V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 580V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2 Rated	Rating current 40°C according to IEC 60947	630 A
Rating current 55°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated service breaking capacity Ics under 660V AC according IEC 60947-2 Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circuit breaking capacity Icu under 60V AC IEC 60947-2 Round If Indianate Short-circ	Rating current 45°C according to IEC 60947	630 A
Rating current 60°C according to IEC 60947 560 Rating current 65°C according to IEC 60947 497 Rated service breaking capacity Ics under 660V AC according IEC 60947-2 12 k Breaking capacity on 1 pole for IT 230V NF 60947-2 10 k Breaking capacity on 1 pole for IT 400V NF 60947-2 10 k Breaking capacity on 1 pole for IT 415V NF 60947-2 10 k Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 650V AC IE	Rating current 50°C according to IEC 60947	630 A
Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated service breaking capacity Ics under 660V AC according IEC 60947-2 Rated service breaking capacity Ics under 660V AC according IEC 60947-2 Roy47-2	Rating current 55°C according to IEC 60947	630 A
Rating current 70°C according to IEC 60947 Rated service breaking capacity Ics under 660V AC according IEC 60947-2  Breaking capacity on 1 pole for IT 230V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 420V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  But altimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Router But Interest Short	Rating current 60°C according to IEC 60947	623 A
Rated service breaking capacity ics under 660V AC according IEC 60947-2  Breaking capacity on 1 pole for IT 230V NF 60947-2  Breaking capacity on 1 pole for IT 400V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Rated ultimate short-circuit breaking capacity icu under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 240V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 425V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 280V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 280V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity icu under 660V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 660V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circuit breaking capacity icu under 560V AC IEC 60947-2  But altimate short-circ	Rating current 65°C according to IEC 60947	560 A
Breaking capacity on 1 pole for IT 230V NF 60947-2 10 k  Breaking capacity on 1 pole for IT 400V NF 60947-2 10 k  Breaking capacity on 1 pole for IT 415V NF 60947-2 10 k  Breaking capacity on 1 pole for IT 415V NF 60947-2 10 k  Breaking capacity on 1 pole for IT 415V NF 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 50 k  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 50 k  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 425V AC IEC 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 85 k  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 12 k  Dimensions  Depth of installed product 150 m  Height of installed product 260 m  Width of installed product 140 m  Frequency  Frequency  Frequency  Frequency  Total power loss under IN 190.5 i  Power  Total power loss under IN 190.5 i  Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18N  DIN rail mounting with optional adaptator N  Sutable for front mounting	Rating current 70°C according to IEC 60947	497 A
Breaking capacity on 1 pole for IT 400V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Breaking capacity on 1 pole for IT 415V NF 60947-2  Rated ultimate short-circuit breaking capacity lcu under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity lcu under 660V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Height of installed product  Prequency  Frequency  Frequency  Total power loss under IN  190.5 N  Power loss per pole at In  63.5 In  Tripping  Time of response when opening  Time of response when opening  Time of response when opening  N  Installation, mounting  Tightening torque  DIN rail mounting with optional adaptator  N  Suitable for front mounting		12 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2  Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Height of installed product  Prequency  Frequency  Frequency  Total power loss under IN  Power  Total power loss under IN  Power Installation, mounting  Installation, mounting  Tightening torque  18Ni DIN rail mounting with optional adaptator  Ni  Installed for front mounting		10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 50 k Rated ultimate short-circuit breaking capacity Icu under 410V AC IEC 60947-2 50 k Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 85 k Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 50 k Rated ultimate short-circuit breaking capacity Icu under 860V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 12 k Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 1		10 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Poimensions  Depth of installed product  Dimensions  Depth of installed product  Width of installed product  Frequency  Frequency  Foundary  Total power loss under IN  Power Ioss per pole at In  Capacity Icu and pending  Time of response when opening  Time of response when opening  Tightening torque  DIN rall mounting with optional adaptator  Note that is a series of the series of th		10 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Poimensions  Depth of installed product  Height of installed product  Width of installed product  Frequency  Frequency  Foot 600 Frequency  Foot 600 Frequency  Total power loss under IN  Power loss per pole at In  190.5 Installation, mounting  Tightening torque  18No  DIN rail mounting with optional adaptator  No  Suitable for front mounting	<u> </u>	85 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Width of installed product  Frequency  Frequency  Frequency  Footal power loss under IN  Power Ioss per pole at In  190.5 1  Tripping  Time of response when opening  Tightening torque  DIN rail mounting with optional adaptator  Suitable for front mounting		85 kA
capacity Icu under 415V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Width of installed product  Frequency  Frequency  Fower  Total power loss under IN  Power loss per pole at In  Tripping  Time of response when opening  Installation, mounting  Tightening torque  DIN rail mounting with optional adaptator  Suitable for front mounting	<u> </u>	50 kA
capacity Icu under 220V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Width of installed product  Frequency  Frequency  Frequency  Total power loss under IN  Power loss per pole at In  Tripping  Time of response when opening  Installation, mounting  Tightening torque  DIN rail mounting with optional adaptator  Note that is a series of the series of th		50 kA
capacity Icu under 380V AC IEC 60947-2  Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2  Dimensions  Depth of installed product  Height of installed product  Width of installed product  Frequency  Frequency  Footal power loss under IN  Power loss per pole at In  Tripping  Time of response when opening  Installation, mounting  Tightening torque  DIN rail mounting with optional adaptator  Suitable for front mounting		85 kA
Dimensions  Depth of installed product 150 mm Height of installed product 260 mm Width of installed product 140 mm  Frequency  Frequency 50 to 60 Fm  Power  Total power loss under IN 190.5 mm Power loss per pole at In 63.5 mm  Tripping  Time of response when opening 10 mm  Installation, mounting  Tightening torque 18N suitable for front mounting 18N suitable front front mounting 18N suitable front front mountin		50 kA
Depth of installed product 260 mm Height of installed product 140 mm Width of installed product 140 mm  Frequency Frequency 50 to 60 Fm  Power  Total power loss under IN 190.5 mm Power loss per pole at In 63.5 mm  Tripping  Time of response when opening 10 mm  Installation, mounting  Tightening torque 180 mm  DIN rail mounting with optional adaptator 180 mm  Suitable for front mounting 150 mm  Installation mounting 160 mm  Suitable for front mounting 160 mm  Installation mounting 160 mm  Installation mounting mith optional adaptator 160 mm  Installation mounting 160 mm  Installation mounting mith optional adaptator 160 mm  Installation mounting 160 mm  Installatio	capacity Icu under 660V AC IEC 60947-2	12 kA
Height of installed product 260 mg Width of installed product 140 mg  Frequency 50 to 60 F  Power  Total power loss under IN 190.5 Mg Power loss per pole at In 63.5 Mg  Tripping  Time of response when opening 10 mg  Installation, mounting  Tightening torque 18N		150 mm
Frequency Frequency  Fower  Total power loss under IN  Power loss per pole at In  Tripping  Time of response when opening  Installation, mounting  Tightening torque  DIN rail mounting with optional adaptator  Suitable for front mounting		260 mm
Frequency 50 to 60 F  Power  Total power loss under IN 190.5 V  Power loss per pole at In 63.5 V  Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18N I  DIN rail mounting with optional adaptator N  Suitable for front mounting		140 mm
Power  Total power loss under IN 190.5 N  Power loss per pole at In 63.5 N  Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18Nn  DIN rail mounting with optional adaptator N  Suitable for front mounting	Frequency	
Total power loss under IN 190.5 N  Power loss per pole at In 63.5 N  Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18No  DIN rail mounting with optional adaptator N  Suitable for front mounting	Frequency	50 to 60 Hz
Power loss per pole at In 63.5 v  Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18Nu  DIN rail mounting with optional adaptator N  Suitable for front mounting	Power	
Tripping  Time of response when opening 10 m  Installation, mounting  Tightening torque 18Nn  DIN rail mounting with optional adaptator N  Suitable for front mounting	Total power loss under IN	190.5 W
Time of response when opening 10 m  Installation, mounting  Tightening torque 18No  DIN rail mounting with optional adaptator No  Suitable for front mounting No	Power loss per pole at In	63.5 W
Installation, mounting  Tightening torque 18No  DIN rail mounting with optional adaptator No  Suitable for front mounting No	Tripping	
Tightening torque 18No DIN rail mounting with optional adaptator No Suitable for front mounting No	Time of response when opening	10 ms
DIN rail mounting with optional adaptator  Suitable for front mounting  N	Installation, mounting	
Suitable for front mounting	Tightening torque	18Nm
	DIN rail mounting with optional adaptator	No
	Suitable for front mounting	No
Suitable for ground mounting Ye	Suitable for ground mounting	Yes
Connection	Connection	
Connection Front connection	Connection	Front connection

Type of connection	Terminal
Cable	
Cable Material	Cu / Al
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	А
Standards	
Standard text	IEC 60947-2
Safety	
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m