

Product data sheet

HDM3100S2033XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 20A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	20.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	3 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

Product data sheet

HDM3100S3233XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 32A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	32.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	6 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780 g

Product data sheet

HDM3100S4033XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 40A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	40.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	10 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

Product data sheet

HDM3100S5033XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 50A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	50.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	10 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

Product data sheet

HDM3100S6333XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 63A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	63.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	16 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

Product data sheet

HDM3100S8033XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 80A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	80.0 A
Frame size	100AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	4000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 10000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	18 kA
Rated breaking capacity	25 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	25 mm ²
Tightening torque	9.5...10.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	130.0 mm
Width	75.0 mm
Depth	68.0 mm
Product weight	0.78 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE TÜV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

Product data sheet

HDM3400F31533XX

Characteristics

Molded case circuit breaker HDM3 - 400F/3P - Mag-theR 315A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	315.0 A
Frame size	400AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	2000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 5000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	30 kA
Rated breaking capacity	50 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	185 mm ²
Tightening torque	19.5...20.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	257.0 mm
Width	150.0 mm
Depth	107.5 mm
Product weight	4.6 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.7 cm
Package 1 Width	15.0 cm
Package 1 Length	10.8 cm
Package 1 Weight	4.6 kg

Product data sheet

HDM3400F40033XX

Characteristics

Molded case circuit breaker HDM3 - 400F/3P - Mag-theR 400A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	400.0 A
Frame size	400AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	2000.0 cycles
Mechanical durability	20000.0 cycles with maintenance 5000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	30 kA
Rated breaking capacity	50 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	240 mm ²
Tightening torque	19.5...20.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	257.0 mm
Width	150.0 mm
Depth	107.5 mm
Product weight	4.6 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.7 cm
Package 1 Width	15.0 cm
Package 1 Length	10.8 cm
Package 1 Weight	4.6 kg

Product data sheet

HDM3630F50033XX

Characteristics

Molded case circuit breaker HDM3 - 630F/3P - Mag-theR 500A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	500.0 A
Frame size	630AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	2000.0 cycles
Mechanical durability	10000.0 cycles with maintenance 5000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	30 kA
Rated breaking capacity	50 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 150 mm ²
Tightening torque	19.5...20.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	257.0 mm
Width	150.0 mm
Depth	107.5 mm
Product weight	5.1 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.7 cm
Package 1 Width	15.0 cm
Package 1 Length	10.8 cm
Package 1 Weight	5.1 kg

Product data sheet

HDM3630F63033XX

Characteristics

Molded case circuit breaker HDM3 - 630F/3P - Mag-theR 630A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	630.0 A
Frame size	630AF
[Ue] rated operational voltage	400/415 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	2000.0 cycles
Mechanical durability	10000.0 cycles with maintenance 5000.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	30 kA
Rated breaking capacity	50 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 185 mm ²
Tightening torque	19.5...20.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	257.0 mm
Width	150.0 mm
Depth	107.5 mm
Product weight	5.1 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.7 cm
Package 1 Width	15.0 cm
Package 1 Length	10.8 cm
Package 1 Weight	5.1 kg

Product data sheet

HDM3800F80033XX

Characteristics

Molded case circuit breaker HDM3 - 800F/3P - Mag-therm 800A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	800.0 A
Frame size	800AF
[Ue] rated operational voltage	400 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	500.0 cycles
Mechanical durability	2500.0 cycles with maintenance 1250.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	40 kA
Rated breaking capacity	70 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 240 mm ²
Tightening torque	29.5...30.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	280.0 mm
Width	210.0 mm
Depth	100.0 mm
Product weight	7.34 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2
Product certifications	CE KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	28.0 cm
Package 1 Width	21.0 cm
Package 1 Length	10.0 cm
Package 1 Weight	7.34 kg

Product data sheet

HDM31250N100033XX

Characteristics

Molded case circuit breaker HDM3 - 1250N/3P - Mag-therm 1000A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	1000.0 A
Frame size	1250AF
[Ue] rated operational voltage	400 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	500.0 cycles
Mechanical durability	2500.0 cycles with maintenance 1250.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	85 kA
Rated breaking capacity	85 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 500 mm ²
Tightening torque	29.5...30.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	406.0 mm
Width	210.0 mm
Depth	190.0 mm
Product weight	18.98 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	40.6 cm
Package 1 Width	21.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	18.98 kg

Product data sheet

HDM31250N125033XX

Characteristics

Molded case circuit breaker HDM3 - 1250N/3P - Mag-therm 1250A



Main

Range of product	HDM3
Product or component type	Enclosed moulded case circuit breaker
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Power distribution protection
Voltage release type	Shunt trip release Undervoltage release
Provided equipment	alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release

Complementary

Poles description	3P
[In] rated current	1250.0 A
Frame size	1250AF
[Ue] rated operational voltage	400 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	500.0 cycles
Mechanical durability	2500.0 cycles with maintenance 1250.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	85 kA
Rated breaking capacity	85 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 500 mm ²
Tightening torque	29.5...30.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	406.0 mm
Width	210.0 mm
Depth	190.0 mm
Product weight	18.98 kg

Environment

IP degree of protection	IP20
Pollution degree	3
Ambient air temperature for operation	40.0 °C
Ambient air temperature for storage	-20...70 °C
Dielectric test voltage	3 kV
Operating altitude	0...2000 m
Standards	IEC 60947-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	40.6 cm
Package 1 Width	21.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	18.98 kg
