

HDR3S251P6

Characteristics

Thermal overload relay, HDR3s-25, 1.0..1.6 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	ge 11.6 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %

[Himel]

Product data sheet

HDR3S2513

Characteristics

Thermal overload relay, HDR3s-25, 9..13 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	913 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S256

Characteristics

Thermal overload relay, HDR3s-25, 4..6 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	ge 46 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S252P5

Characteristics

Thermal overload relay, HDR3s-25, 1.6..2.5 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	1.62.5 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S2525

Characteristics

Thermal overload relay, HDR3s-25, 17..25 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range 1725 A	
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S251

Characteristics

Thermal overload relay, HDR3s-25, 0.63..1 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment rang	ge 0.631 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S2518

Characteristics

Thermal overload relay, HDR3s-25, 12..18 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	1218 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S25P16

Characteristics

Thermal overload relay, HDR3s-25, 0.1..0.16 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	ge 0.10.16 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S3832

Characteristics

Thermal overload relay, HDR3s-38, 23..32 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	2332 A
Frame size	38A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	80 mm
Width	56 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S25P4

Characteristics

Thermal overload relay, HDR3s-25, 0.25..0.4 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	0.250.4 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S258

Characteristics

Thermal overload relay, HDR3s-25, 5.5..8 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment rang	e 5.58 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9310

Characteristics

Thermal overload relay, HDR3s-93, 7..10 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 710 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9332

Characteristics

Thermal overload relay, HDR3s-93, 23..32 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 2332 A		
Frame size	93A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %

[Himel]

Product data sheet

HDR3S2510

Characteristics

Thermal overload relay, HDR3s-25, 7..10 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 710 A		
Frame size	25A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S25P25

Characteristics

Thermal overload relay, HDR3s-25, 0.16..0.25 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment ran	ge 0.160.25 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S3840

Characteristics

Thermal overload relay, HDR3s-38, 30..40 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 3040 A
Frame size	38A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	80 mm
Width	56 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9318

Characteristics

Thermal overload relay, HDR3s-93, 12..18 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 1218 A		
Frame size	93A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9340

Characteristics

Thermal overload relay, HDR3s-93, 30..40 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	3040 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9380

Characteristics

Thermal overload relay, HDR3s-93, 63..80 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 6380 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S254

Characteristics

Thermal overload relay, HDR3s-25, 2.5..4 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment rang	e 2.54 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9365

Characteristics

Thermal overload relay, HDR3s-93, 48..65 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	4865 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9313

Characteristics

Thermal overload relay, HDR3s-93, 9..13 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range 913 A	
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9350

Characteristics

Thermal overload relay, HDR3s-93, 37..50 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 3750 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S9393

Characteristics

Thermal overload relay, HDR3s-93, 80..93 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 8093 A
Frame size	93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S25P63

Characteristics

Thermal overload relay, HDR3s-25, 0.4..0.63 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment re	ange 0.40.63 A
Frame size	25A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	67 mm
Width	45 mm
Depth	95 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %

[Himel]

Product data sheet

HDR3S9325

Characteristics

Thermal overload relay, HDR3s-93, 17..25 A



Range of product HDR3s Product or component type Thermal overload relay Device application Motor protection Thermal protection adjustment range 17...25 A Frame size 93A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %

[Himel]

Product data sheet

HDR3S9370

Characteristics

Thermal overload relay, HDR3s-93, 55..70 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 5570 A		
Frame size	93A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	660 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	83 mm
Width	72 mm
Depth	119 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630400F

Characteristics

Thermal overload relay, HDR3S-630/F 290..400 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 290400 A		
Frame size	630A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the performance of the set of the

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630200F

Characteristics

Thermal overload relay, HDR3S-630/F 145..200 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 145200 A		
Frame size	630A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the performance of the set of the

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630250F

Characteristics

Thermal overload relay, HDR3S-630/F 180..250 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 180250 A		
Frame size	630A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the performance of the set of the

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S185150

Characteristics

Thermal overload relay, HDR3S-185 120..150 A



Main		
Range of product	HDR3s	
Product or component type	Thermal overload relay	
Device application	Motor protection	
Thermal protection adjustment range 120150 A		
Frame size	185A	

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S185160

Characteristics

Thermal overload relay, HDR3S-185 130..160 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 130160 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S18580

Characteristics

Thermal overload relay, HDR3S-185 63..80 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	6380 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S18595

Characteristics

Thermal overload relay, HDR3S-185 75..95 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	7595 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S185185

Characteristics

Thermal overload relay, HDR3S-185 150..185 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range 150185 A	
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S185115

Characteristics

Thermal overload relay, HDR3S-185 90..115 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment rang	ge 90115 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S18565

Characteristics

Thermal overload relay, HDR3S-185 48..65 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range 4865 A	
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Himel nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S185135

Characteristics

Thermal overload relay, HDR3S-185 105..135 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	105135 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630630F

Characteristics

Thermal overload relay, HDR3S-630/F 460..630 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment rang	e 460630 A
Frame size	630A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the performance of the set of the performance of the set of the set of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of Neither Himel nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained.

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630480F

Characteristics

Thermal overload relay, HDR3S-630/F 350..480 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	ge 350480 A
Frame size	630A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Himel nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S18570

Characteristics

Thermal overload relay, HDR3S-185 55..70 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	e 5570 A
Frame size	185A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	103 mm
Width	105 mm
Depth	132 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %



HDR3S630320F

Characteristics

Thermal overload relay, HDR3S-630/F 230..320 A



Main	
Range of product	HDR3s
Product or component type	Thermal overload relay
Device application	Motor protection
Thermal protection adjustment range	230320 A
Frame size	630A

Complementary

Protection type	Overload Phase failure
Reset	Automatic reset Manual reset
Control type	Test button Stop button
[Ith] conventional free air thermal current	5 A
Local signalling	Trip indicator
[Ie] rated operational current	1.57 A at 230 V AC-15 0.9 A at 400 V AC-15 0.14 A at 230 V DC-13
[Ui] rated insulation voltage	690 V
[Uimp] rated impulse withstand voltage	6 kV
Utilisation category	AC-15 DC-13
Poles description	3P
Height	171 mm
Width	150 mm
Depth	181 mm

Environment

Installation category	III
Pollution degree	3
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-2555 °C
Operating altitude	2000 m
Standards	IEC 60947-4-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Himel nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Product certifications	CB CE SEMKO
IP degree of protection	IP20
Relative humidity	095 %