sg01018_r



Description

- A compact range of residual current devices for a wide range of applications
- For fault current/residual current protection and additional protection
- Selection of nominal currents
- Comprehensive range of accessories
- Real contact position indicator

Residual Current Devices HNC xPole Home

$I_n/I_{\Delta n}$	Туре	Article No.	Units per
(A)	Designation		package

Type AC

Conditionally surge current-proof 250 A, type AC



2-pole			
25/0.03	HNC-25/2/003	194690	1/60
40/0.03	HNC-40/2/003	194691	1/60
63/0.03	HNC-63/2/003	194692	1/60



4-pole		
25/0.03	HNC-25/4/003	194693 1/30
40/0.03	HNC-40/4/003	194694 1/30
63/0.03	HNC-63/4/003	194695 1/30

Type A

Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A



2-pole			
25/0.03	HNC-25/2/003-A	194684	1/60
40/0.03	HNC-40/2/003-A	194685	1/60
63/0.03	HNC-63/2/003-A	194686	1/60



4-pole		
25/0.03	HNC-25/4/003-A	194687 1/30
40/0.03	HNC-40/4/003-A	194688 1/30
63/0.03	HNC-63/4/003-A	194689 1/30

Residual Current Devices HNC xPole Home - Technical Data

Specifications | Residual Current Devices HNC

Description

- · Residual Current Devices
- Tripping is line voltage-independent. Consequently, the RCD is suitable for fault current/residual current protection and additional protection (ÖVE/ ÖNORM E 8001-1 § 6.1.2)
- · Twin-purpose terminal (lift/open-mouthed) above and below
- Busbar positioning optionally above or below
- · Free terminal space despite installed busbar
- · Universal tripping signal switch can be mounted subsequently
- · Auxiliary switch Z-HK can be mounted subsequently
- · Contact position indicator red green
- Suitable for being used with standard fluorescent tubes with or without electronical ballast (typically up to 20 units per phase conductor)
- · The device functions irrespective of the position of installation
- Tripping is line voltage-independent. Consequently, the RCD is suitable for "fault current/residual current protection" and "additional protection" within the the meaning of the applicable installation rules
- · Mains connection at either side
- The 4-pole device can also be used for 2- or 3-pole connection. See connection possibilities,
- The test key "T" must be pressed every 6 month. The system operator must
 be informed of this obligation and his responsibility in a way that can be
 proven (self-adhesive RCD-label enclosed). The test intervall of 6 month is
 valid for residential and similar applications. Under all other conditions (e.g.
 damply or dusty environments), it's recommended to test in shorter intervalls
 (e.g. monthly).
- Pressing the test key "T" serves the only purpose of function testing the
 residual current device (RCD). This test does not make earthing resistance
 measurement (R_E), or proper checking of the earth conductor condition
 redundant, which must be performed separately.

 Type -A: Protects against special forms of residual pulsating DC which have have not been smoothed

Accessories:			
Auxiliary switch for subsequent installation to the left	Z-HK	248432	
Remote tripping module	Z-FAM	248293	

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Residual Current Devices HNC xPole Home - Technical Data

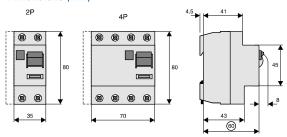
mechanical components ≥ 20,000 sometical size 45 mm height 80 mm width 35 mm (2Mling quick faster of protection, built-in IP40	JS
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and protection must be implemented in the case if the maximal possible operating current of the coreaking capacity $I_{\Delta m}$ fault breaking capacity $I_{\Delta m}$ fault breaking capacity $I_{\Delta m}$ for a capacity $I_{\Delta m}$ fo	40 A gG/gL
and protection must be implemented in the case if the maximal possible operating current of the coreaking capacity $I_{\Delta m}$ fault breaking capacity $I_{\Delta m}$ fault breaking capacity $I_{\Delta m}$ for a capacity $I_{\Delta m}$ fo	rated current of the RCD only short circuit protection must be implemented.
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mechanical components ≥ 20,000 straining size 45 mm height 80 mm width 35 mm (2Ml) ing quick faster of protection, built-in IP40	itching operations
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of protection, built-in IP40	
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opon model	
al protection finger and h	
al capacity 1.5 - 35 mm	ing with 2 lock-in positions on DIN rail IEC/EN 60715
2 x 16 mm ²	ed/lift terminals and touch safe, DGUV VS3, EN 50274
thickness 0.8 - 2 mm	ed/lift terminals and touch safe, DGUV VS3, EN 50274 2 single wire
g temperature -25°C to +41	ed/lift terminals and touch safe, DGUV VS3, EN 50274 2 single wire
e- and transport temperature -35°C to +60	ed/lift terminals and touch safe, DGUV VS3, EN 50274 ingle wire multi wire
ance to climatic conditions 25-55°C/90-	ed/lift terminals and touch safe, DGUV VS3, EN 50274 ingle wire multi wire

Connection diagrams



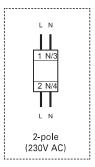


Dimensions (mm)

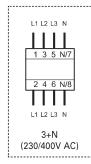


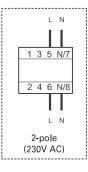
Correct connection

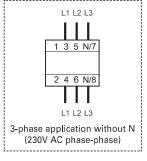
2-pole

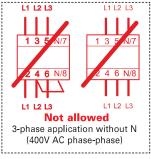


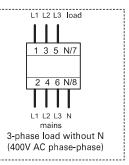
4-pole











Residual Current Devices HNC-HX xPole Home

sg01018_r



Description

- A compact range of residual current devices for a wide range of applications
- For fault current/residual current protection and additional protection
- Selection of nominal currents
- Comprehensive range of accessories
- Real contact position indicator

Protective Devices

Residual Current Devices HNC-HX xPole Home

$I_n/I_{\Delta n}$	Туре	Article No.	Units per
(A)	Designation		package

Type AC

Conditionally surge current-proof 250 A, type AC



2-pole			
25/0.03	HNC-25/2/003-HX	194702	1/60
40/0.03	HNC-40/2/003-HX	194703	1/60
63/0.03	HNC-63/2/003-HX	194704	1/60



4-pole			
25/0.03	HNC-25/4/003-HX	194705 1/30	
40/0.03	HNC-40/4/003-HX	194706 1/30	
63/0.03	HNC-63/4/003-HX	194707 1/30	

Type A

Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A

2-pole			
25/0.03	HNC-25/2/003-A-HX	194696	1/60
40/0.03	HNC-40/2/003-A-HX	194697	1/60
63/0.03	HNC-63/2/003-A-HX	194698	1/60



4-pole		
25/0.03	HNC-25/4/003-A-HX	194699 1/30
40/0.03	HNC-40/4/003-A-HX	194700 1/30
63/0.03	HNC-63/4/003-A-HX	194701 1/30

Residual Current Devices HNC-HX xPole Home - Technical Data

Specifications | Residual Current Devices HNC-HX

Description

- · Residual Current Devices
- Tripping is line voltage-independent. Consequently, the RCD is suitable for fault current/residual current protection and additional protection (ÖVE/ ÖNORM E 8001-1 § 6.1.2)
- · Twin-purpose terminal (lift/open-mouthed) above and below
- · Busbar positioning optionally above or below
- · Free terminal space despite installed busbar
- · Universal tripping signal switch can be mounted subsequently
- Auxiliary switch Z-HK can be mounted subsequently
- · Contact position indicator red green
- Suitable for being used with standard fluorescent tubes with or without electronical ballast (typically up to 20 units per phase conductor)
- · The device functions irrespective of the position of installation
- Tripping is line voltage-independent. Consequently, the RCD is suitable for "fault current/residual current protection" and "additional protection" within the the meaning of the applicable installation rules
- · Mains connection at either side
- The 4-pole device can also be used for 2- or 3-pole connection. See connection possibilities.
- The test key "T" must be pressed every 6 month. The system operator must
 be informed of this obligation and his responsibility in a way that can be
 proven (self-adhesive RCD-label enclosed). The test intervall of 6 month is
 valid for residential and similar applications. Under all other conditions (e.g.
 damply or dusty environments), it's recommended to test in shorter intervalls
 (e.g. monthly).
- Pressing the test key "T" serves the only purpose of function testing the
 residual current device (RCD). This test does not make earthing resistance
 measurement (R_E), or proper checking of the earth conductor condition
 redundant, which must be performed separately.

 Type -A: Protects against special forms of residual pulsating DC which have have not been smoothed

Accessories:		
Auxiliary switch for subsequent installation to the left	Z-HK	248432
Remote tripping module	Z-FAM	248293

Technical Data

Residual Current Devices HNC-HX xPole Home

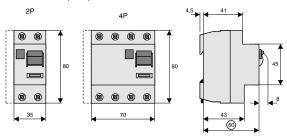
		HNC-HX		
Electrical				
Design according to		IEC/EN 61008		
Current test marks as printed onto the device				
Tripping		instantaneous		
Rated voltage	U _n	230/400 V AC, 50 Hz		
Rated tripping current	$I_{\Delta n}$	30 mA		
Sensitivity		AC and pulsating DC		
Rated insulation voltage	U _i	440 V		
Rated impulse withstand voltage	U _{imp}	4 kV (1.2/50 μs)		
Rated short circuit strength	I _{cn}	6 kA		
Maximum back-up fuse		Short circuit	Overload	
$I_n = 25 A$		63 A gG/gL	16 A gG/gL	
$I_n = 40 \text{ A}$		63 A gG/gL	25 A gG/gL	
$I_n = 63 A$		63 A gG/gL	40 A gG/gL	
In the case that the maximal possible operating current of the ele				
Overload protection must be implemented in the case if the maxi	imal possible operati	ng current of the electrical installation ca	n exceed the rated current of the RCD.	
Rated breaking capacity	I _m			
Rated fault breaking capacity	${\sf I}_{\Delta {\sf m}}$			
$I_n = 25-40 \text{ A}$		500 A		
$I_{n} = 63 \text{ A}$		630 A		
Voltage range of test button				
2-pole		196 - 264 V~		
4-pole		196 - 264 V~		
Endurance				
electrical components		≥ 4,000 switching operations		
mechanical components		≥ 20,000 switching operations		
Mechanical				
Frame size		45 mm		
Device height		80 mm		
Device width			35 mm (2MU), 70 mm (4MU)	
Mounting	g quick fastening with 2 lock-in positions on DIN rail IEC/EN 60715		ons on DIN rail IEC/EN 60715	
Degree of protection, built-in		IP40		
Upper and lower terminals		open mouthed/lift terminals		
Terminal protection		finger and hand touch safe, DGUV V	/S3, EN 50274	
Terminal capacity		1.5 - 35 mm ² single wire	<u>~</u>	
		2 x 16 mm² multi wire		
Busbar thickness		0.8 - 2 mm		
Tripping temperature		-25°C to +40°C		
Storage- and transport temperature				
Resistance to climatic conditions	esistance to climatic conditions 25-		25-55°C/90-95% relative humidity according to IEC 60068-2	

Connection diagrams





Dimensions (mm)

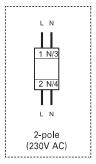


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Residual Current Devices HNC-HX xPole Home - Technical Data

Correct connection

2-pole



4-pole

