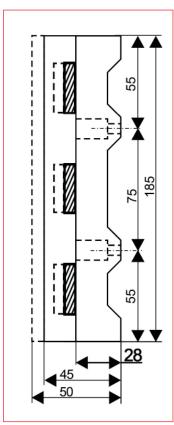
Busbar-support 60mm-system, series ARROW



Schrack-Info

- Can be built on, high short-circuit protection, UL94-V0
- Temperature resistance: +200 °C, 960 °C glow wire
- Rated operating voltage: 690 V
- Tightening torque for top screws: 3 4 Nm

■ IS502750 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
3pole, short, 60mm system	550 0- 6-	IS502750
3pole, long, 60mm system	500 0-0	IS502752
1 pole, detachable, 60mm system		IS502754
2 pole, single, 60mm system	000 0-0	IS502755
Busbar support end-bracket 3pole, 60mm system	555 0-0	IS502757



ARROW R Switch Disconnector D02

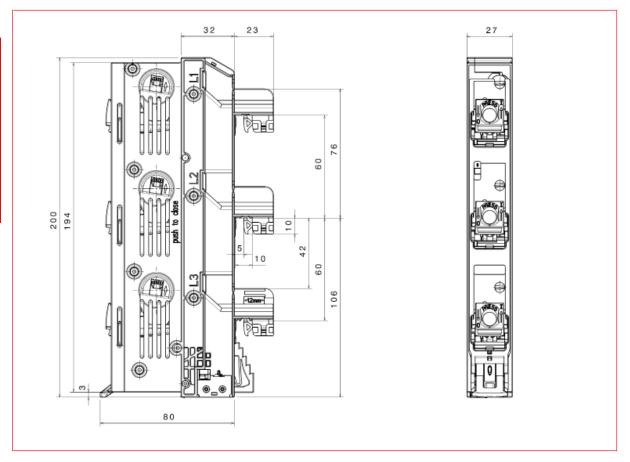


Schrack-Info

- Bus-mounted fuse-switch-load-disconnector, for 3-pole busbar system for fuse links ${\rm D0}$
- For fuses and gauge rings in according IEC 60269-3
- For 60mm busbar-system

Fuse-size	D02 in according EN 60269-3
Rated current (IEC):	63 A
Poles:	3-pole
Rated voltage (IEC) AC:	400 V
Utilisation category AC (IEC 60947-3):	AC-22B (400V)
Rated isolation voltage Ui:	500 V
Rated surge voltage Uimp:	6 kV
Max. permitted voltage (IEC) AC:	800 V
Cond. rated short-circuit current with fuses:	50 kA / 400V
Material properties body:	temperature stability 140°C,
	self-extinguishing in acc. to UL 94,
	creepage resistance CTI 225,
	silicon-free, halogen-free
Material properties handle:	temperature stability 120°C,
	self-extinguishing in acc. to UL 94,
	creepage resistance CTI 200
Terminal points	1,5 - 16 mm ² stranded and flexible without ferrule
	1,5 - 10 mm² flexible with ferrule
	1,5 - 10 mm² fixed

■ IS503863 Dimensions

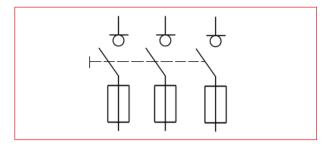




221

ARROW R Switch Disconnector D02

IS503863 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
63A	355 0-0	IS503863

ARROW R Switch Disconnector D02 with fixed adjusting sleeves



Schrack-Info

• Fixed sleeve rings

IS503825

DESCRIPTION	AVAILABLE	ORDER NO.
20A, complete	335 0-0	IS503820
25A, complete	333 0-0	IS503825
35A, complete	333 0-0	IS503835
50A, complete	333 0-0	IS503850

■ Tytan R Switch Disconnector D02





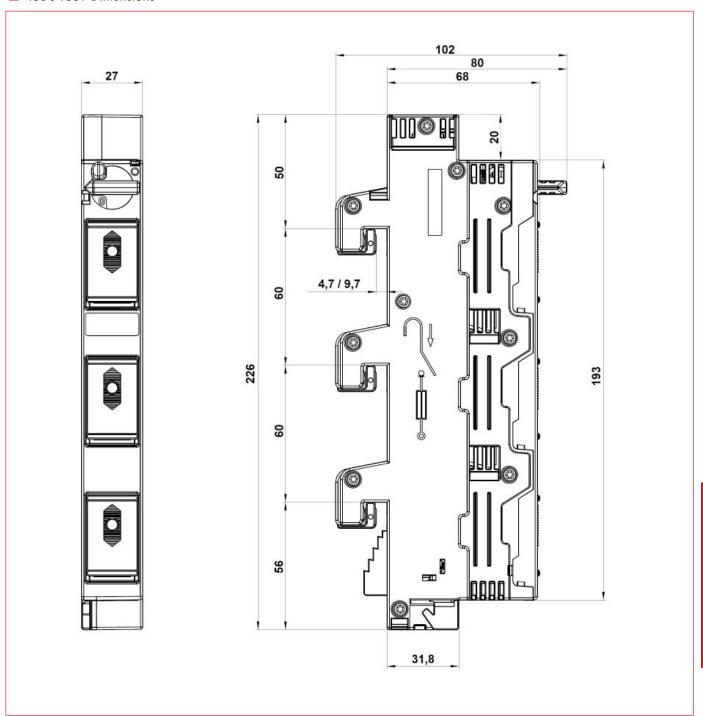
IS504853

- Including D0 fuse-plug with flashing indicator
- Including plug retaining spring for D01 and cylindrical fuses 10x38 mm
- Removable fuse-plug reliable fuse-blown indication
- Securing against restarting sealable
- 27mm wide

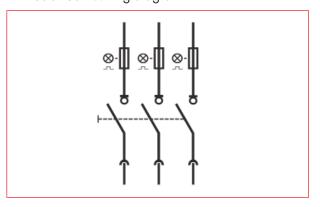
Classification	Switch disconnector fuse	
Standards	EN 60947-3, IEC 947-3, DIN VDE 0638	
Suitable for D0 fuses DIN 49522	D01, 2, 4, 6, 10, 13, 16 A with plug retaining spring	
	D02: 20, 25, 32, 35, 40, 50, 63 A	
Suitable for cylinder fuses IEC/EN 60269-1	10x38 mm: 2 32 A with plug retaining spring	
Suitable for gauge-pieces DIN 49523	DO2: 2, 4, 6, 10, 16, 20, 25, 35, 50 A	
Number of poles	3-pole	
Rated operational voltage U	D0: 400V-AC, 10 x 38 zyl. 500V-AC	
Rated operational current I	63 A	
Rated impulse withstand voltage U _{imp}	6000 V	
Rated short circuit making capacity I	50 kA _{eff}	
Utilisation category	AC 22B	
Power loss	4,5 W	
Overvoltage category	IV (DIN VDE 0110)	
For busbarsystem	60 mm - system	
For busbar-type	12, 15, 20, 25, 30 mm wide, 5 or 10 mm thick	
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free	
Fire classification /Leakage current resistance	UL94/V0, glow wire test 960 °C / CTI600	
Degree of protection / touch protection	IP 20 / finger and hand touch safe	
Ambient temperature min/max	- 25 °C / 60 °C	
Degree of pollution	3 (DIN VDE 0110)	
Connection style	Stainless steel cage terminal	
Terminal capacity	1,5 - 35 mm²	
Torque M _D	4 Nm	

■ Tytan R Switch Disconnector D02

■ IS504851 Dimensions

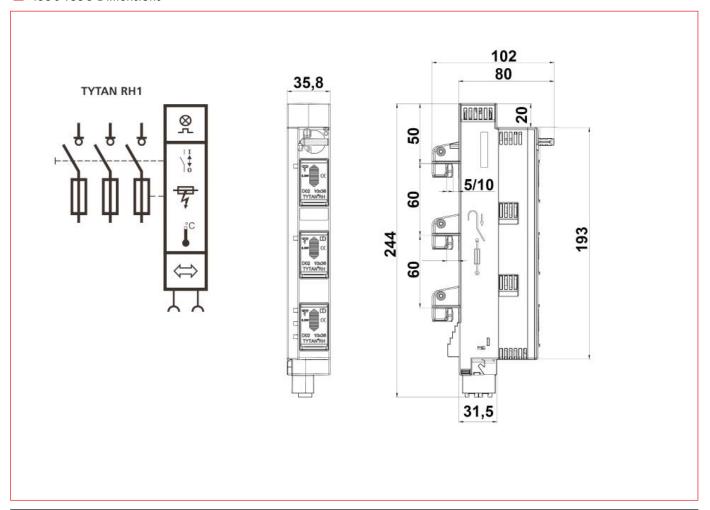


IS504851 Wiring diagram



■ Tytan R Switch Disconnector D02

■ IS504858 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
63A, 3-pole	000 0-0	IS504851
63A, 3pole+N	000 00	IS504852
TYTAN RH1-Load-Breaker D02 for 60mm-System with monitoring		IS504858
TYTAN HR 12-relays summary-module-monitoring 2 C/O 5A / 250 VAC	555 0- 5	IS504871
TYTAN HR11-relays single-module-monitoring 2 C/O 5A / 250 VAC	000 0-0	IS504870
TYTAN HC-Patchcord RJ10 15 cm		IS504873
TYTAN HC-Patchcord RJ10, 100 cm	000 0-0	IS504877

■ Tytan R Switch Disconnector D02 with fixed adjusting sleeves



Schrack-Info

• Fixed sleeve rings

IS504853

DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
25A, 3-pole		IS504854
35A, 3-pole		IS504855

▼ Tytan R Switch Disconnector D02 Terminals





- Ammeter at all three phases
- Data memory for monitoring (min, max und average of the last
- For subsequent assembly on TYTAN R
- For D0-fuses 2...63A
- For use in all three phases, the load of the phases can be continuously monitored.

Rated current I	63 A
Measurement range AC	0-75 A
Max. continuous current I _B	50 A
Rated voltage	400V AC
Power loss	≤ 2,1 mVA
Procedure AC	True RMS
Wave form	symmetric
Rated frequency f	50 Hz
Frequency range	47-65 Hz
Accuracy	± 1% ± 1 digit at 1 ₀ at 25 °C ± 1 °C
Definition	100 mA (0.09.9 A), 1A (1099 A)
Measurement rate	1 rating/ 1,4 s
Reference-temperature	25 °C ± 1 °C
Insulating parts	Plastic, halogen-, phosphorus-, silicone-free
Fire classification	UL94/V0
Leakage current resistance	CTI 600

DESCRIPTION	AVAILABLE	ORDER NO.
Ammeter-plug in for TYTAN R. D02. 3-pole for 60mm-system		IS504879



Coron R Switch Disconnector D02

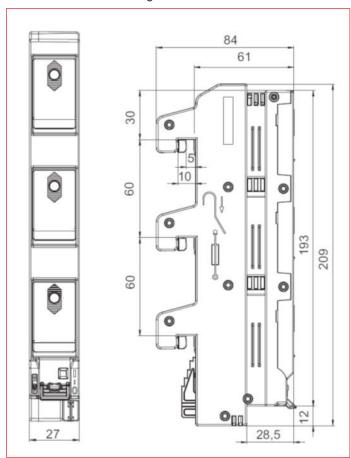


Schrack-Info

- Flashing indicator
- For 60mm busbar-system
- Compact dimensions
- Plastic free of halogens
- Output top side

400V-AC Rated voltage U Rated current I 63A Rated short circuit making capacity I_{CM} 50kA_{eff} Stainless steel cage terminal Connection style 1,5-25 mm² Terminal capacity Turning Moment 3Nm

Dimensioned drawing



DESCRIPTION	AVAILABLE	ORDER NO.
D02, 3poles, 63A	000 0-0	IS503563
Duct for CORON R (2parts)	000 0-0	IS503569

D02-Switch Disconnector for 60mm busbar-system



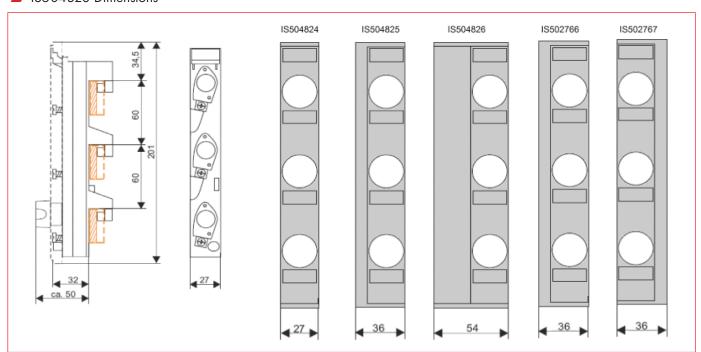
Schrack-Info

- Integral labelling field, loss-free stainless steel clamp
- Temperature resistance: +200 °C, 960 °C glow wire

IS504823

Size of fuse	D02
Poles	3-pole
DO-fuse links	2 - 63 A
D02 gauge	acc. DIN 49523
Creep resistance	CTI600
Fire class	UL94-V0
Rated operation voltage U	400V AC / 250V DC
Rated short circuit making capacity I	50 kA
Busbar-system	60 mm
Busbar-size	12, 15, 20, 25, 30 mm
Busbar-thickness	5, 10 mm
Terminal	V2A
Terminal capacity	1,5 - 25mm²
Torque	3-4 Nm

■ IS504823 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
D02-fusebase for 60mm busbar-system E18 without cover	388 6-6	IS504823
Cover for D02-fusebase E18, 3-pole	000 0-0	IS504824
Cover for D02-fusebase E18, 36mm with distancepart, 3-pole	388 0- 0	IS504825
Cover for D02-fusebase E18, 54mm with distancepart, 3-pole		IS504826
D02 screw cap E 18, 63 A, plastic 400 V, plastics material	388 0-8	SI310060



■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, 54mm, series ARROW II



- Compact design, 63mm installation width
- Snap on installation without screws
- For busbars with 12-30 mm width and 5-10 mm thickness

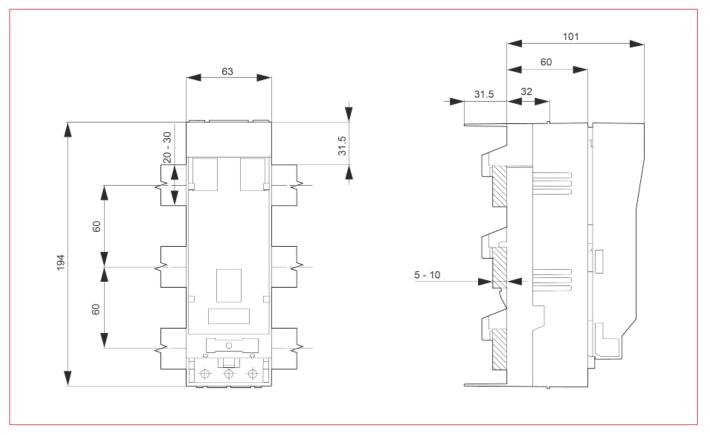
ISA05019

Size	NH000
Poles	3
Applicable for fuse-links	NH000
Standard	IEC/EN 60 947-3
Type of installation	Busbar mounting
Busbar distance	60mm
Switching mode	3pole switchable
Rated operating voltage	500V
Rated operating current	125A
Conv. free air thermal current with fuse-links	125A
Conv. free air thermal current with solid links	160A
Rated impulse voltage	8kV
Rated isolation voltage	500V
Rated frequency	40 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (500V/125A)
	DC-22B (220V/100A)
Rated conditional short-cirquit current	50kA (AC 500V)
Max. permissible power dissipation per fuse-link	8W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical
Altitude	2000m
Pollution degree	3
Overvoltage category	
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP20
Direction of cable terminal	bottom side
Terminal type	Elevator-clamp
Clamping range	1,5 - 50mm² Cu
Isolation strength	max. 20mm
Tightening torque	2,6Nm

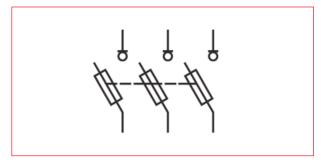


■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, 54mm, series ARROW II

■ ISA05019 Dimensions



ISA05019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc COO for 60mm busbar inout bottom	NAME OF THE PARTY	ISA05019

■ HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, series ARROW II



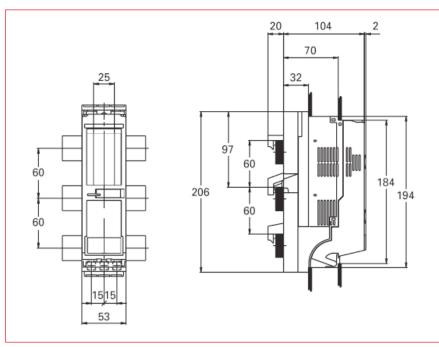
Schrack-Info

- Device width 54 mm
- Touch protection IP 3x
- Lid lock combined with sealing
- Connection box terminal up to 2.5-50mm²

IS505019-B

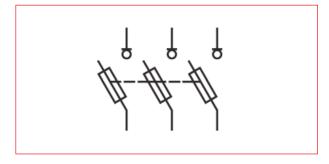
000
3
100A
60mm
20-30mm
5 or 10mm
IEC/EN 60947-3
AC 22 B / U = 690V / I = 100A
DC 21 B / U _a = 440V / I _a = 100A
690V
750V
8kV
50-60Hz
12W
IP20
3
non-stop operation
AC 50kA (690V/500V)
DC 25kA (220V/440V)
300
1700
III
lift-terminal
1,5-50mm ²

IS505019 Dimensions





- HRC-busbar-fuse load-breaker size 000 (100A) for 60mm system, series ARROW II
- IS505019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar system, output bottom	999 0-0	IS505019-B

HRC-busbar-fuse load-breaker size 00 (160A) for 60mm system, series ARROW II



ISA05223

For LV HRC fuse-links acc. to DIN VDE 0636-2	Size 000/00	
Standard	IEC/DIN/EN 60947-3 / VDE 0660-107	
Rated operational voltage U	690V-AC	
	440V-DC	
Rated operational current 1) I	160 A	
Rated frequency f	40 - 60 Hz	
Rated insulation voltage U	800V-AC	
Total power loss at I _{th} (without fuse-links) P _V	14W	
Rated impulse withstand voltage U _{imp}	8kV	
Utilisation category 2)	AC-23B (400V/160A) ^{2b)}	
	AC-22B (500V/160A) 2b)	
	AC-21B (690V/160A) ^{2b)}	
	DC-22B (250V/160A) ^{2b)}	
	DC-21B (440V/160A) ^{2c)}	
Rated conditional short-cirquit current ^{2) 3)}	120 kA (500V) ^{2b)}	
	100 (690V) ^{2b)}	
Rated short-time withstand current lcw	7 kA (1s)	
Max. permis. power loss per fuse-link Pa	12 W	
Degree of protection	Front side, operating condition IP20	
	With clamp- and lateral cover IP20XC	
	switching element open IP10	
Ambient temperature 4) Tamb	-25 bis +55 °C	
Rated operating mode	Uninterrupted duty	
Actuation	dependent manual operation	
Mounting position	vertical / horizontal	
Altitude	up to 2000 m	
Pollution degree	3	
Overvoltage category	III	
Cable terminal, flat terminal	Bolt diameter M8	
	Tightening torque M _a 12-15 Nm	
Cable terminal, clip terminal	Clamping cross-section conductor round 1,5 - 70 mm² copper	
	cusbar 6 x 9 x 0,8	
	Tightening torque M ₂ 2,6 Nm	

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.

 $^{^{4)}}$ 35°C Normal temperature, at 55°C with reduced operating current

DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, with window lock		ISA05223F
Cover one way		ISA0 <i>57</i> 31

 $^{^{\}rm 2)}$ It must be considered a minimum distance to earthed, conductive parts:

 $^{^{\}rm 2b)}$ Lateral: 20mm / Above: 50mm

^{2c)} Lateral: 50mm / Above: 100mm

 $^{^{\}scriptsize 3)}$ Type tested with LV-HRC-fuse-links characteristic gG.

Page 233

■ HRC-busbar-fuse load-breaker size 00 (160A) for 60mm system, series ARROW BLUE

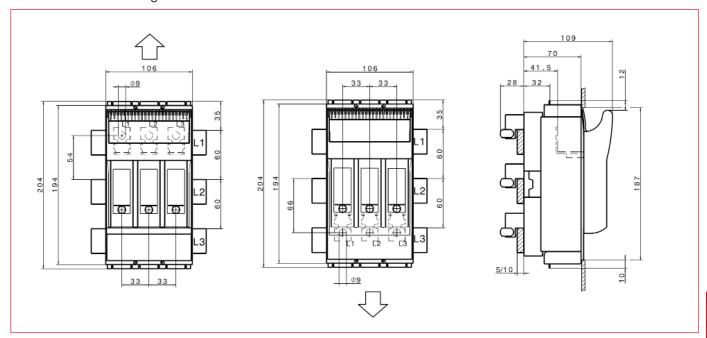


ISA05223-A

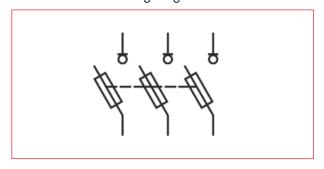
Schrack-Info

- For 60mm busbar-system (5mm or 10mm busbars)
- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

Dimensioned drawing



ISA05223-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00	950 0- 0	ISA05300
Size 00, 3-pole, 160A, M8	200 0-0	ISA05223-A
Prism clamp 1,5-70mm² for size 00	333 0-0	ISA05335

HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW II



Schrack-Info

Output direction from top or bottom, different types

DESCRIPTION AVAILABLE ORDER NO Size 1, 3-pole, 250A, M10, outlet bottom ISA05290

HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW BLUE



ISA05290-A

- For 60mm busbar-system (5mm or 10mm busbars)
- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

For LV HRC fuse-links acc. to DIN VDE 0636-2 size 1 Rated operational voltage U,	Standard	IEC/DIN/EN 60947-3
Rated operational current ¹¹¹¹ 250A Conv. fee oir thermal current with fuse-links ¹¹ I₂ 250A Rated frequency f 40-60Hz Rated insulation voltage U₁ 800V-AC Total power loss at Ith (without fuse-links) P₂ 22W Rated impulse withstand voltage U₂ 8kV Utilisation category ²¹ AC-22B (400V/250A) ²b¹ Rated conditional short-cirquit current ²¹ ³¹ AC-22B (500V/250A) ²b¹ Rated short-time withstand current I₂ 100 (690V) ²b¹ Rated short-time withstand current I₂ 10xA(1s) Max. permis. power loss per fuse-link P₂ 23W Degree of protection, front side Operating condition IP2O With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature ⁴¹ Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvollage category III Coble terminal Flat terminal, Bolt diameter M10 <td>For LV HRC fuse-links acc. to DIN VDE 0636-2</td> <td>size 1</td>	For LV HRC fuse-links acc. to DIN VDE 0636-2	size 1
Conv. free air thermal current with fuse-links ¹¹ Image of Factor (and the product of Factor (and the pro	Rated operational voltage U _e	690VAC / 440V-DC
Rated frequency f 40-60Hz	Rated operational current 11 I _e	250A
Rated insulation voltage U 800V-AC	Conv. free air thermal current with fuse-links 1) I _{th}	250A
Total power loss at Ith (without fuse-links) P _V	Rated frequency f	40-60Hz
Rated impulse withstand voltage U BkV	Rated insulation voltage U _i	800V-AC
AC-23B (400V/250A) 2b)		22W
AC-22B (500V/250A) 2b)	Rated impulse withstand voltage U _{imp}	8kV
Rated conditional short-cirquit current ^{21 31} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Rated short-time withstand current I or 100 (690V) ^{2b)} Poperating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation Mounting position Altitude up to 2000 m Pollution degree 3 Overvoltage category Ill Cable terminal	Utilisation category 2)	AC-23B (400V/250A) ^{2b)}
Rated conditional short-cirquit current ^{2) 3)} Rated short-time withstand current I _{ccc} Rated short-time withstand current I _{ccc} 10kA(1s) Max. permis. power loss per fuse-link P _a Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature ⁴⁾ Tamb Actuation Rated operating mode Uninterrupted duty Actuation Mounting position Vertical / horizontal Altitude Pollution degree 3 Overvoltage category III Cable terminal		AC-22B (500V/250A) ^{2b)}
Rated short—time withstand current I Max. permis. power loss per fuse-link P Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4) Tamb Actuation Actuation Mounting position Altitude Pollution degree 3 Overvoltage category Ill Cable terminal		AC-21B (690V/250A) ^{2b)}
Rated short-time withstand current I_w 10kA(1s) Max. permis. power loss per fuse-link Pa 23W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Rated conditional short-cirquit current 2) 3)	120 kA (500V) ^{2b)}
Max. permis. power loss per fuse-link P _o 23W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4) Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10		100 (690V) ^{2b)}
Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Rated short-time withstand current I _{cw}	10kA(1s)
With clamp- and lateral cover IP20XC	Max. permis. power loss per fuse-link P _a	23W
Switching element open IP10 Ambient temperature 4) Tamb Actuation Actuation Mounting position Altitude Pollution degree Overvoltage category Cable terminal	Degree of protection, front side	Operating condition IP20
Ambient temperature 4) Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10		With clamp- and lateral cover IP20XC
Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10		switching element open IP10
Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Ambient temperature 41 Tamb	-25 bis +55 °C
Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Rated operating mode	Uninterrupted duty
Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Actuation	dependent manual operation
Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Mounting position	vertical / horizontal
Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Altitude	up to 2000 m
Cable terminal Flat terminal, Bolt diameter M10	Pollution degree	3
Cable terminal Flat terminal, Bolt diameter M10	Overvoltage category	
Tightening torque 30-35Nm		Flat terminal, Bolt diameter M10
		Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.



²⁾ It must be considered a minimum distance to earthed, conductive parts:

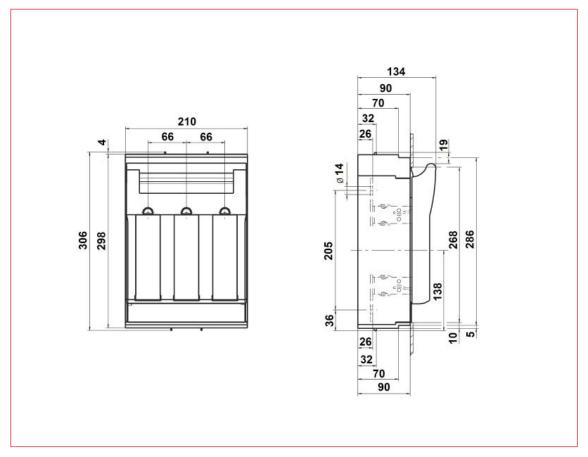
^{2b)} Lateral: 20mm / Above: 50mm

 $^{^{\}scriptsize 3)}$ Type tested with LV-HRC-fuse-links characteristic gG.

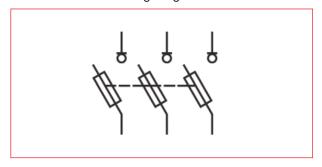
 $^{^{4)}\,35^{\}circ}\text{C}$ Normal temperature, at 55°C with reduced operating current

■ HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW BLUE

■ ISA05290-A Dimensions



ISA05290-A Wiring diagram



DESCRIPTION AVAILABLE ORDER NO. Size 1, 3-pole, 250A, M10, outlet top or bottom ISA05290-A

HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW II



DESCRIPTION	

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet bottom	000 0-0	ISA05251



■ HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW BLUE



Schrack-Info

- Output direction from top to bottom is easy and quickly to change
- 1-point quick-fixing
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

For IV HRC fuse-links acc. to DIN VDE 0636-2 690VAC / 440 V DC	Standard	IEC/DIN/EN 60947-3
Roted operational current "1" 400A	For LV HRC fuse-links acc. to DIN VDE 0636-2	size 2
Conv. free air thermal current with fuse-links ¹¹¹ land 40-0A Rated frequency f 40-60Hz Rated insulation voltage U₁ 800 V AC Total power loss at Ith (without fuse-links) P₂ 22W Rated impulse withstand voltage U₂ 8kV Utilisation category²¹ AC-238 [400V/400A] ²₺⟩ AC-218 [500V/400A] ²₺⟩ AC-218 [690V/400A] ²₺⟩ AC-218 [690V/400A] ²₺⟩ 100 [690V] ²₺⟩ Rated conditional short-cirquit current ¹²¹³⟩ 10k A[1s) Max. permis. power loss per fuse-link P₂ 34W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature ⁴¹ Tamb -2.5 bis +5.5 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Allitude up to 2000 m Pollution degree 3 Overvollage category III Coble terminal Flat terminal, Bolt diameter M10	Rated operational voltage $U_{_{\rm e}}$	690VAC / 440 V DC
Rated frequency f 40-60Hz Rated insulation voltage U 800 V AC Total power loss at Ith (without fuse-links) P _V 22W Rated impulse withstand voltage U 8kV Utilisation category ²¹ AC-23B (500V/400A) ^{28b} AC-21B (690V/400A) ^{28b} AC-21B (690V/400A) ^{28b} Rated conditional short-cirquit current ²¹⁻³³ 120 kA (500V) ^{28b} Rated short-time withstand current I _M 10kA(1s) Mox. permis. power loss per fuse-link P _A 34W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature ⁴¹ Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Coble terminal Flat terminal, Bolt diameter M10	Rated operational current 1)	400A
Rated insulation voltage U 800 V AC Total power loss at Ith (without fuse-links) P _V 22W Rated impulse withstand voltage U _{mp} 8kV Utilisation category ²¹ AC-23B (400V/400A) ^{2b)} AC-22B (500V/400A) ^{2b)} AC-21B (690V/400A) ^{2b)} Rated conditional short-cirquit current ^{21/3} 120 kA (500V) ^{2b)} Rated short-lime withstand current I _∞ 10kA(1s) Mox. permis. power loss per fuse-link P _a 34W Degree of protection, front side Operating condition IP2O With clamp- and lateral cover IP20XC switching element open IP1O Ambient temperature ⁴¹ Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Follution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Conv. free air thermal current with fuse-links 1) I _{eh}	400A
Total power loss at Ith (without fuse-links) P _V 22W	Rated frequency f	40-60Hz
Rated impulse withstand voltage U imp 8kV Utilisation category 2) AC-23B (400V/400A) 26b AC-22B (500V/400A) 26b AC-22B (590V/400A) 26b AC-21B (690V/400A) 26b AC-21B (690V/400A) 26b Rated conditional short-cirquit current 10c 120 kA (500V) 26b Rated short-time withstand current 10c 10kA(1s) Max. permis. power loss per fuse-link Pa 34W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb -25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Rated insulation voltage U _i	800 V AC
AC-23B (400V/400A) 2b	Total power loss at Ith (without fuse-links) P _v	22W
AC-228 [500V/400A] 2b AC-21B [690V/400A] 2b AC-21B [690V/400A] 2b AC-21B [690V/400A] 2b 120 kA [500V] 2b 120	Rated impulse withstand voltage U _{imp}	8kV
Rated conditional short-cirquit current 21 31 120 kA (500V) 2bb] Rated short-time withstand current 1 100 (690V) 2bb] Rated short-time wit	Utilisation category 2)	AC-23B (400V/400A) ^{2b)}
Rated conditional short-cirquit current 2 3 120 kA (500V) 2b) Rated short-lime withstand current 1 2 10kA (1s) Max. permis. power loss per fuse-link P 34W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb - 25 bis +55 °C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal		AC-22B (500V/400A) ^{2b)}
Rated short–time withstand current I_w 10kA(1s) Max. permis. power loss per fuse-link P_a 34W Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4\text{Tamb} -25 bis +55 \circ C Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10		AC-21B (690V/400A) ^{2b)}
Rated short-time withstand current I Max. permis. power loss per fuse-link P Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 41 Tamb Actuation Actuation Mounting position Altitude Pollution degree 3 Overvoltage category III Cable terminal	Rated conditional short-cirquit current ^{2) 3)}	120 kA (500V) ^{2b)}
Max. permis. power loss per fuse-link P Degree of protection, front side Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb Actuation Actuation Actuation Mounting position Altitude Pollution degree Overvoltage category III Cable terminal		100 (690V) ^{2b)}
Degree of protection, front side Operating condition IP20	Rated short-time withstand current I	10kA(1s)
With clamp- and lateral cover IP20XC switching element open IP10 Ambient temperature 4 Tamb Actuation Actuation Mounting position Altitude Pollution degree Overvoltage category Cable terminal With clamp- and lateral cover IP20XC switching element open IP10 -25 bis +55 °C Uninterrupted duty dependent manual operation vertical / horizontal up to 2000 m 3 Overvoltage category III Flat terminal, Bolt diameter M10	Max. permis. power loss per fuse-link P	34W
Ambient temperature 41 Tamb Ambient temperature 41 Tamb Rated operating mode Actuation Mounting position Altitude Pollution degree Overvoltage category Cable terminal Switching element open IP10 -25 bis +55 °C Uninterrupted duty dependent manual operation vertical / horizontal up to 2000 m 3 Overvoltage rategory III Flat terminal, Bolt diameter M10	Degree of protection, front side	Operating condition IP20
Ambient temperature 41 Tamb Rated operating mode Uninterrupted duty Actuation Mounting position Altitude Pollution degree Overvoltage category Cable terminal Ambient temperature 41 Tamb -25 bis +55 °C Uninterrupted duty dependent manual operation vertical / horizontal up to 2000 m 3 Overvoltage category Ill Flat terminal, Bolt diameter M10		With clamp- and lateral cover IP20XC
Rated operating mode Uninterrupted duty Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10		switching element open IP10
Actuation dependent manual operation Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Ambient temperature 41 Tamb	-25 bis +55 °C
Mounting position vertical / horizontal Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Rated operating mode	Uninterrupted duty
Altitude up to 2000 m Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Actuation	dependent manual operation
Pollution degree 3 Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Mounting position	vertical / horizontal
Overvoltage category III Cable terminal Flat terminal, Bolt diameter M10	Altitude	up to 2000 m
Cable terminal, Bolt diameter M10	Pollution degree	3
	Overvoltage category	III
Tightening torque 30-35Nm	Cable terminal	Flat terminal, Bolt diameter M10
		Tightening torque 30-35Nm

¹⁾ In case of mounting of several units in low voltage switchgearcombinations, please consider rated diversity factors acc. to EN 61439-1.

 $^{^{\}rm 2)}$ It must be considered a minimum distance to earthed, conductive parts:

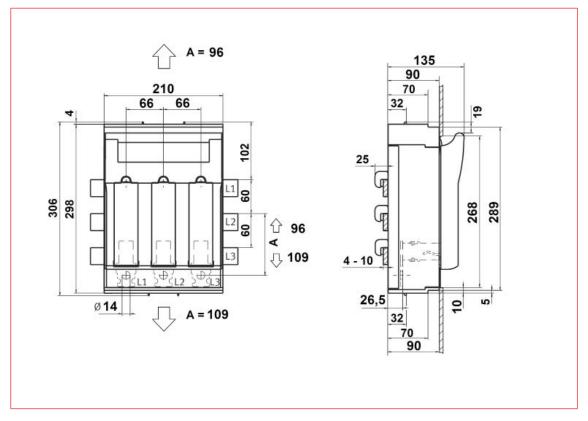
^{2b)} Lateral: 20mm / Above: 50mm

³⁾ Type tested with LV-HRC-fuse-links characteristic gG.

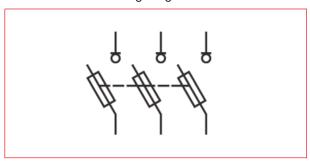
 $^{^{4)}}$ 35 $^{\circ}\text{C}$ Normal temperature, at 55 $^{\circ}\text{C}$ with reduced operating current

■ HRC-busbar-fuse load-breaker size 2 (400A) for 60mm system, series ARROW BLUE

■ ISA05251-A Dimensions



■ ISA05251-A Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet top or bottom	300	ISA05251-A

Accessories for NH-fuse load-breaker, for 60mm system, series ARROW BLUE

- Accessories for NH-fuse-load-breaker series ARROW BLUE
- Terminals
- Covers

Single clamp strop size 00 Prism clamp 1,5-70mm² for size 00 Clip terminal ARROW BIUE size 1 Clip terminal ARROW BIUE size 1 Clip terminal ARROW BIUE size 1 ISA05742-A Boxterminal ARROW BIUE size 1 ISA05744-A Clip terminal ARROW BIUE size 1 ISA05744-A Clip terminal ARROW BIUE size 2 ISA05743-A Boxterminal ARROW BIUE size 0 ISA05703-A Berninal cover ARROW BIUE size 0 ISA05703-A Boxterminal ARROW BIUE siz	DESCRIPTION	AVAILABLE	ORDER NO.
Clip terminal ARROW BLUE size 1 ISA05742-A Boxterminal ARROW BLUE size 1 ISA05742-A Boxterminal ARROW BLUE size 1 ISA05741-A Clip terminal ARROW BLUE size 2 ISA05741-A Clomp terminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 and size 3 ISA05743-A Boxterminal ARROW BLUE size 2 and size 3 ISA05743-A Boxterminal ARROW BLUE size 2 isA05743-A Identification cover ARROW BLUE size 2 isA05703-A Height compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05703-A Identification profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05704-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05703-A Identification cover extension 32 mm for ARROW BLUE size 00 ISA05703-A Coverlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size	Single clamp strap size 00	585 0- 5	ISA05300
Clamp terminal ARROW BLUE size 1 ISA05742-A Boxterminal ARROW BLUE size 1 ISA05741-A Clip terminal ARROW BLUE size 2 ISA05741-A Clamp terminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 and size 3 ISA05743-A Boxterminal ARROW BLUE size 2 and size 3 ISA05745-A Terminal cover ARROW BLUE size 1 ISA05702-A Terminal cover ARROW BLUE size 2 ISA05703-A Height compensation adopter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system 30 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05716-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05719-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05719-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05719-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05719-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05719-A	Prism clamp 1,5-70mm² for size 00	000 0=0	ISA05335
Boxterminal ARROW BLUE size 2 Clamp terminal ARROW BLUE size 2 Clamp terminal ARROW BLUE size 2 ISA05741-A Boxterminal ARROW BLUE size 2 ISA05743-A Boxterminal ARROW BLUE size 2 and size 3 ISA05745-A Terminal cover ARROW BLUE size 1 ISA05702-A Terminal cover ARROW BLUE size 2 ISA05703-A Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05710-A	Clip terminal ARROW BLUE size 1	888 0-0	ISA05740-A
Clip terminal ARROW BLUE size 2 Clamp terminal ARROW BLUE size 2 Boxterminal ARROW BLUE size 2 and size 3 ISA05743-A Boxterminal cover ARROW BLUE size 2 and size 3 Isa05745-A Terminal cover ARROW BLUE size 1 Isa05702-A Terminal cover ARROW BLUE size 2 Isa05703-A Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 Isa05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 Isa05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 Isa05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 Isa05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 Isa05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 Isa05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 Isa05711-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 Isa05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 Isa05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 Isa05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 Isa05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 Isa05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 Isa05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 Isa05719-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 Isa05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 Isa05719-A	Clamp terminal ARROW BLUE size 1	000 0-0	ISA05742-A
Clamp terminal ARROW BLUE size 2 Boxterminal ARROW BLUE size 2 and size 3 ISA05743-A Berninal cover ARROW BLUE size 1 ISA05702-A IErminal cover ARROW BLUE size 1 ISA05703-A Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05709-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05715-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05719-A	Boxterminal ARROW BLUE size 1		ISA05744-A
Boxterminal ARROW BLUE size 2 and size 3 ISA05745-A Terminal cover ARROW BLUE size 1 ISA05702-A Terminal cover ARROW BLUE size 2 ISA05703-A Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05709-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05713-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05719-A	Clip terminal ARROW BLUE size 2	555 0= 5	ISA05741-A
Terminal cover ARROW BLUE size 2 ISA05703-A Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05709-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05711-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05710-A	Clamp terminal ARROW BLUE size 2	555 0-5	ISA05743-A
Terminal cover ARROW BLUE size 2 Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05715-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05716-A Coverlap protector for busbar system 32 mm for ARROW BLUE size 0 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Boxterminal ARROW BLUE size 2 and size 3		ISA0 <i>57</i> 45-A
Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00 ISA05705-A Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05709-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05714-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Terminal cover ARROW BLUE size 1		ISA05702-A
Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00 ISA05706-A Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 Overlap protector for busbar system 32 mm for ARROW BLUE size 1 Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Terminal cover ARROW BLUE size 2		ISA05703-A
Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00 ISA05707-A Terminal cover extension 32 mm for ARROW BLUE size 00 ISA05708-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05714-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Height compensation adapter 70 mm to 90 mm for ARROW BLUE size 00		ISA05705-A
Terminal cover extension 32 mm for ARROW BLUE size 00 Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 ISA05709-A Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05714-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Lateral compensation profile 70 mm to 90 mm for ARROW BLUE size 00		ISA05706-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00 Overlap protector for busbar system 32 mm for ARROW BLUE size 00 ISA05710-A Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05714-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Terminal cover extension 39 mm or 34 mm for ARROW BLUE size 00		ISA0 <i>57</i> 07-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 00 Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05714-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Terminal cover extension 32 mm for ARROW BLUE size 00		ISA05708-A
Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00 ISA05711-A Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 ISA05712-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 00		ISA05709-A
Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00 Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 32 mm for ARROW BLUE size 1 Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05714-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05716-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00	Overlap protector for busbar system 32 mm for ARROW BLUE size 00		ISA05710-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1 Overlap protector for busbar system 32 mm for ARROW BLUE size 1 ISA05713-A Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system for output-side 39 mm or 34 mm for ARROW BLUE size 00		ISA05711-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 1 Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 ISA05715-A Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system for output-side 32 mm for ARROW BLUE size 00		ISA05712-A
Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2 Overlap protector for busbar system 32 mm for ARROW BLUE size 2 ISA05716-A Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05719-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 1		ISA05713-A
Overlap protector for busbar system 32 mm for ARROW BLUE size 2 Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 ISA05716-A Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system 32 mm for ARROW BLUE size 1		ISA05714-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00 Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05719-A ISA05720-A	Overlap protector for busbar system 39 mm or 34 mm for ARROW BLUE size 2		ISA05715-A
Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00 ISA05720-A	Overlap protector for busbar system 32 mm for ARROW BLUE size 2		ISA05716-A
· · · · · · · · · · · · · · · · · · ·	Cover support top/bottom 60 and 70 mm for ARROW BLUE size 00		ISA05719-A
Cover support top/bottom 60 and 70 mm for ARROW BLUE size 1-3	Cover support sied 32, 60 and 70 mm for ARROW BLUE size 00		ISA05720-A
	Cover support top/bottom 60 and 70 mm for ARROW BLUE size 1-3		ISA05721-A

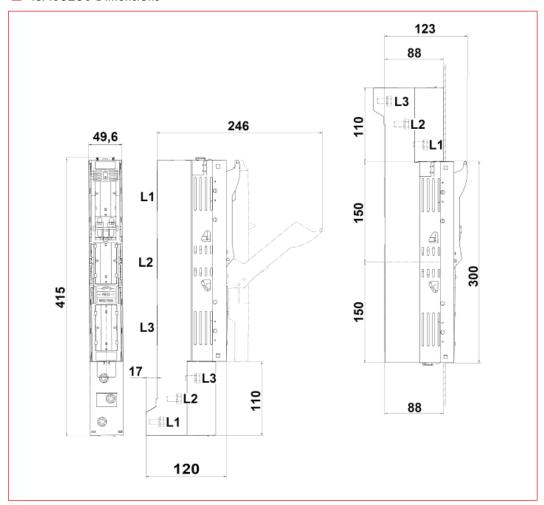
■ HRC-inline-fuse load-breaker size 00 (160A), for 60mm system, series ARROW II



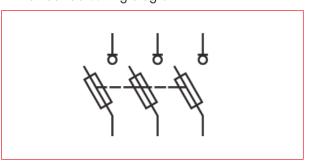
- NH-strip-type fuse-switch-disconnector with adapter for 60mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

Size	NH00
Standards	IEC/EN60947-3
Busbar distance	60mm
Poles	3
Switching mode	3 pole switchable
Applicable for fuse-links	NH000 and NH00
Rated operating voltage	690V
Rated operating current	160A
Conv. free air thermal current with fuse-links	160A
Conv. free air thermal current with solid links	210A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-cirquit current	80kA (AC 500V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm² (max. 25mm width)
Tightening torque	12-15 Nm

- HRC-inline-fuse load-breaker size 00 (160A), for 60mm system, series ARROW II
- **■** ISA05260 Dimensions



■ ISA05260 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8		ISA05260

241

HRC-busbar-fuse load-breaker, for 100mm system, series ARROW II



Schrack-Info

• For 100mm busbar-system

ISA05882

DESCRIPTION	AVAILABLE	ORDER NO.
ARROW-BLOC Size 1 for 100mm busbar-system, output top	535	ISA05886
ARROW-BLOC Size 2 for 100mm busbar-system, output top	555 0-0	ISA05887
ARROW-BLOC Size 3 for 100mm busbar-system, output bottom		ISA05883
ARROW-BLOC Size 3 for 100mm busbar-system, output top		ISA05884
ARROW-BLOC Size 1 for 100mm busbar-system, output bottom		ISA05881
ARROW-BLOC Size 2 for 100mm busbar-system, output bottom		ISA05882

HRC-busbar-fuse load-breaker, for 100mm system, series ARROW BLUE



- For 100mm busbar-system
- Output direction from top to bottom is easy and quickly to change
- Integrated infringe-protection side and top
- Contactless fuse take out
- Closing part sealable and lockable
- Park position for closing part
- Patented voltage measuring slots, tool-bound open, without tools close

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10 for 100mm busbar-system, output top or bottom		ISA05881-A
Size 2, 3-pole, 400A, M10 for 100mm busbar-system, output top or bottom		ISA05882-A

■ HRC-inline-fuse load-breaker size 00 (160A), for 100/185mm system, series ARROW II

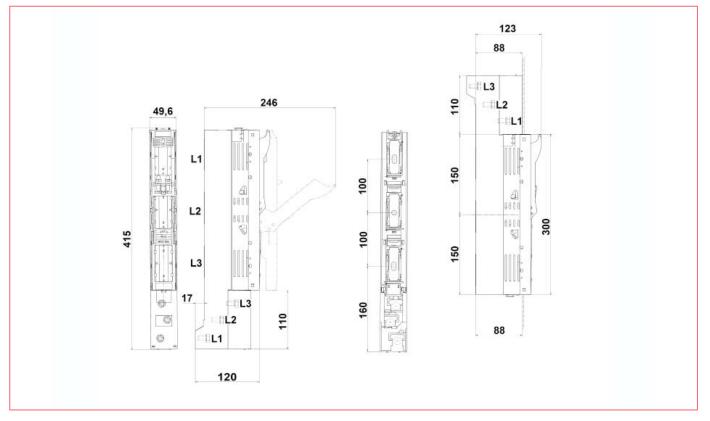


- NH-strip-type fuse-switch-disconnector for 100mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

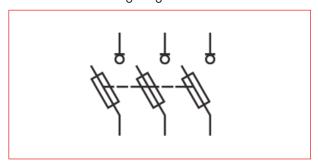
Scindards	Size	NH00
Bubbar distance 100mm		
Poles 3 Switching mode 3pole switchable Applicable for fuse-links NH000 and NH00 Rated operating voltage 690V Rated operating current 160A Current measurement No Conv. free air thermal current with sue-links 160A Conv. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated sloation voltage 800V Rated sloating sloating voltage 800V Rated sloating sloating sloati		-,
Switching mode 3 pole switchable Applicable for fuse-links NH000 and NH00 Rated operating voltage 690V Rated operating current 160A Current measurement No Conv. free air thermal current with sub-links 160A Conv. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated impulse voltage 800V Rated insplay voltage 800V Rated frequency 50 - 60Hz Total power loss at lift (without fuse-link) 18W Utilisation category AC-228 (100A/690V) Lips of AC-228 (100A/500V) AC-228 (100A/500V) Rated conditional short-cirquit current 80kA (AC-500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C 335°C derating of roted current required Type of Actuation User-defined Nonting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 1400 <tr< td=""><td></td><td>1.7</td></tr<>		1.7
Applicable for fuse-links NH000 and NH00 Rated operating voltage 690V Rated operating current 160A Current measurement No Corw. free air thermal current with fuse-links 160A Corw. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated isolation voltage 800V Rated isolation voltage 800V Rated frequency 50 - 60Hz Total power loss at thi (without fuse-link) 18W Utilisation category AC-228 (100A/690V) Rated conditional short-cirquit current 80A(AC-228 (160A/500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C 353°C dearting of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection Flat term		<u> </u>
Rated operating voltage 690V Rated operating current 160A Current measurement No Conv. free air inhermal current with fuse-links 160A Conv. free air inhermal current with solid links 210A Rated impulse voltage 8kV Rated impulse voltage 800V Rated frequency 50 - 60Hz Total power loss at thi (without fuse-link) 18W Utilisation category AC-228 [100A/690V] Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature 25 up to +55°C Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection Flat terminal M8 Cable terminal 1 x 10-95mm² (max. 25mm width)	<u>_</u>	'
Rated operating current 160A Current measurement No Conv. free air thermal current with fuse-links 160A Conv. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated impulse voltage 800V Rated frequency 50 - 60Hz Total power loss at lth (without fuse-link) 18W Utilisation category AC-22B (100A/690V) AC-22B (160A/400V) AC-22B (160A/400V) Rated conditional short-cirquit current 80A (AC 50V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C Sys°C derating of rated current required >35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection 1930 Cable terminal 1 x 10-95mm² (max. 25mm width)		
Current measurement		2121
Conv. free air thermal current with fuse-links 160A Conv. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated Stolation voltage 800V Rated Frequency 50 - 60Hz Total power loss at lth (without fuse-link) 18W Utilisation category AC-22B (100A/690V) Rated conditional short-cirquit current 80kA (AC-22B (160A/400V) Max. permissible power dissipation per fuse-link 12W Ambient temperature 25 up to +55°C 335°C derating of rated current required 535°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvaltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection Flat terminal M8 Cable Iteminal 1 x 10-95mm² (max. 25mm width)	Rated operating current	160A
Conv. free air thermal current with solid links 210A Rated impulse voltage 8kV Rated frequency 50 - 60Hz Total power loss at Ith (without fuse-link) 18W Utilisation category AC-22B (100A/690V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C >35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1P30 Coble terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max 25mm width)	Current measurement	No
Rated impulse voltage 8kV Rated isolation voltage 800V Rated frequency 50 - 60Hz Total power loss at Ith (without fuse-link) 18W Utilisation category AC-22B [100A/690V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C >35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Conv. free air thermal current with fuse-links	160A
Rated isolation voltage 800V Rated frequency 50 - 60Hz Total power loss at Ith (without fuse-link) 18W Utilisation category AC-228 (100A/690V) Rated conditional short-cirquit current 80kA (AC-228 (160A/400V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection 1P30 Coble terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Conv. free air thermal current with solid links	210A
Rated frequency 50 - 60Hz Total power loss at lth (without fuse-link) 18W Utilisation category AC-22B (100A/690V) AC-22B (160A/400V) AC-22B (160A/500V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55 °C Assistic C derating of rated current required 35 °C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvollage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Rated impulse voltage	8kV
Total power loss at lith (without fuse-link) 18W Utilisation category AC-22B (100A/690V) AC-22B (160A/400V) AC-22B (160A/500V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C Abustion >35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection 1P30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Rated isolation voltage	800V
AC-22B (100A/690V)	Rated frequency	50 - 60Hz
AC-22B (160A/400V) AC-22B (160A/500V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature 2.25 up to +55°C S35°C deroting of roted current required Type of Actuation Dependent manual operation Mounting position User-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Total power loss at Ith (without fuse-link)	18W
AC-22B (160A/500V) Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C S35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Utilisation category	AC-22B (100A/690V)
Rated conditional short-cirquit current 80kA (AC 500V) Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C Sa5°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)		AC-22B (160A/400V)
Max. permissible power dissipation per fuse-link 12W Ambient temperature -25 up to +55°C 335°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)		AC-22B (160A/500V)
Ambient temperature -25 up to +55°C 335°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Rated conditional short-cirquit current	80kA (AC 500V)
>35°C derating of rated current required Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Max. permissible power dissipation per fuse-link	12W
Type of Actuation Dependent manual operation Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Ambient temperature	-25 up to +55°C
Mounting position user-defined Pollution degree 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)		>35°C derating of rated current required
Pollution degree 3 3 Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Type of Actuation	Dependent manual operation
Overvoltage category III Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Mounting position	user-defined
Electrical endurance (switching cycles) 200 Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Pollution degree	3
Mechanical endurance (switching cycles) 1400 Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Overvoltage category	III
Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Electrical endurance (switching cycles)	200
Degree of protection IP30 Cable terminal Flat terminal M8 Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)	Mechanical endurance (switching cycles)	1400
Cable lug (DIN 46 235) 1 x 10-95mm² (max. 25mm width)		IP30
	Cable terminal	Flat terminal M8
Tightening torque 12-15 Nm	Cable lug (DIN 46 235)	1 x 10-95mm² (max. 25mm width)
	Tightening torque	12-15 Nm

■ HRC-inline-fuse load-breaker size 00 (160A), for 100/185mm system, series ARROW II

■ ISA05261 Dimensions



ISA05261 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, for 100 mm busbar-system	388 0-	ISA05261
ARROW LINE size 00, 3 pole, f. 100mm busbar with Window bloc		ISA05261F
Size 00, 3-pole, 160A, for 100mm busbar-system with boxteminals	333 6-6	ISA05303
Single adapter f/busbar 185mm	330 0-0	ISA05327
Double adapter f/busbar 185mm	356 0-0	ISA05326
Adapter for 2 strips, size 00 - 100mm, clamp fixation		ISA05323
Cover for Double adapter for busbar 185mm		ISA05328
Forked clamp HRC-00		ISA05325
Single clamp strap size 00	333 0-0	ISA05300
Prism clamp 1.5-70mm² for size 00		ISA05335

■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series ARROW II

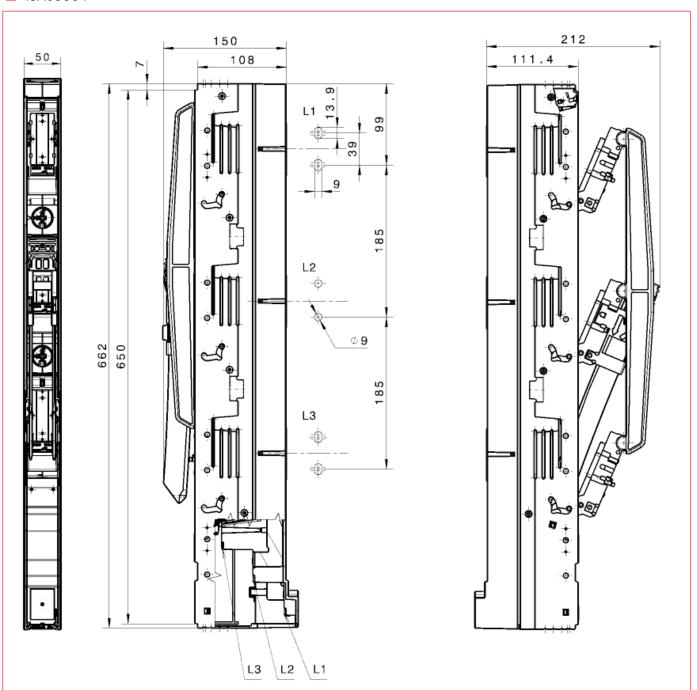


- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position with up to 2 padlocks

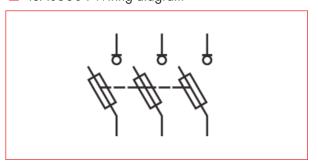
Size	NH00
Standards	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3 pole switchable
Applicable for fuse-links	NH000 / NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Rated impulse voltage	8kV
Rated isolation voltage	800V
Rated frequency	50 - 60Hz
Total power loss at Ith (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-cirquit current	120kA (AC 500V)
	100kA (AC 690V)
Max. permissible power dissipation per fuse-link	12W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	user-defined
Altitude	2000m
Pollution degree	3
Overvoltage category	III
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal	Flat terminal M8
Cable lug (DIN 46 235)	1 x 10-95mm² (max. 25mm width)
Tightening torque	12-15Nm

■ HRC-inline-fuse load-breaker size 00 (160A), for 185mm system, series ARROW II

■ ISA05304



ISA05304 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
HRC-in-line-fuse ARROW LINE size 00, 3pole, 185mm-system	333 0-0	ISA05304
HRC-fuse-base for 185mm busbar system		ISA05172





HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series ARROW II



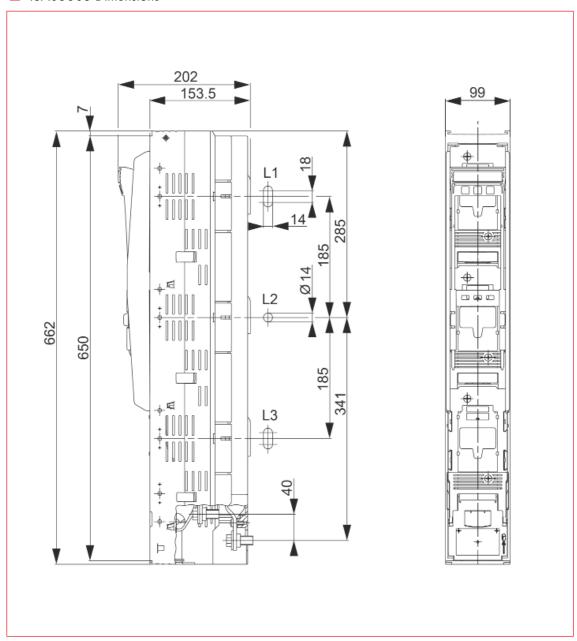
ISA05305

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

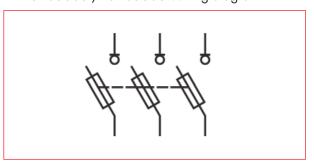
Size	NH1
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1
Rated operating voltage	690V
Rated operating current	250A
Current measurement	No
Conv. free air thermal current with fuse-links	250A
Conv. free air thermal current with solid links	400A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	23W
Utilisation category	AC-22B (250A/500V)
	AC-22B (250A/690V)
	AC-23B (250A/400V)
Rated conditional short-cirquit current	120 (AC 500V)(kA)
Max. permissible power dissipation per fuse-link	32W
Ambient temperature	-25 up to +55°C
	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	1400
Degree of protection	IP30
Cable terminal ISA05305	Flat terminal M10
	Cable lug (DIN 46 235) 1 x 25-150mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05305	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 1 (250A), for 185mm system, series ARROW II

■ ISA05305 Dimensions



■ ISA05305 / ISA05306 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10	300 0-0	ISA05305
Size 1, 3-pole, 250A, with V-terminal	300 0-0	ISA05306



HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series ARROW II



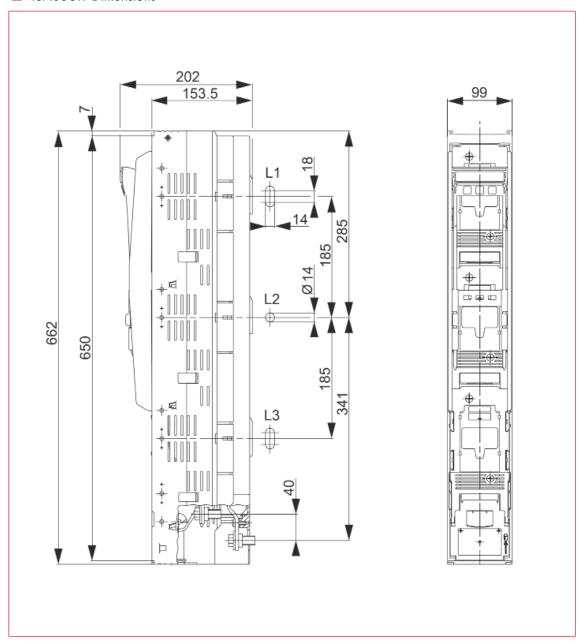
ISA05311

- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

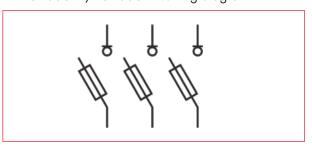
Size	NH2
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3 pole switchable
Applicable for fuse-links	NH1 and NH2
Rated operating voltage	690V
Rated operating current	400A
Current measurement	No
Conv. free air thermal current with fuse-links	400A
Conv. free air thermal current with solid links	630A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at 1th (without fuse-link)	54W
Utilisation category	AC-21 B (400A/690V)
	AC-22B (400A/500V)
	AC-23B (400A/400V)
Rated conditional short-cirquit current	120kA (AC 500V)
Max. permissible power dissipation per fuse-link	45W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Mounting position	vertical / horizontal
Altitude	2000m
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05311	Flat terminal M 12
	Cable lug (DIN 46 235) 1 x 25-240mm ²
	Tightening torque 30-35Nm
Cable terminal ISA05312	V-box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 2 (400A), for 185mm system, series ARROW II

■ ISA05311 Dimensions



■ ISA05311 / ISA05312 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M12	333 0-6	ISA05311
Size 2, 3-pole, 400A, with V-terminal	355 0-6	ISA05312
ARROW LINE size 2, 3pole, 1 pol switchable, 185mm w. V-term.		ISA05352
HRC-in-line-fuse ARROW LINE size 2, 3pole, 185mm, M12		ISA05342

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

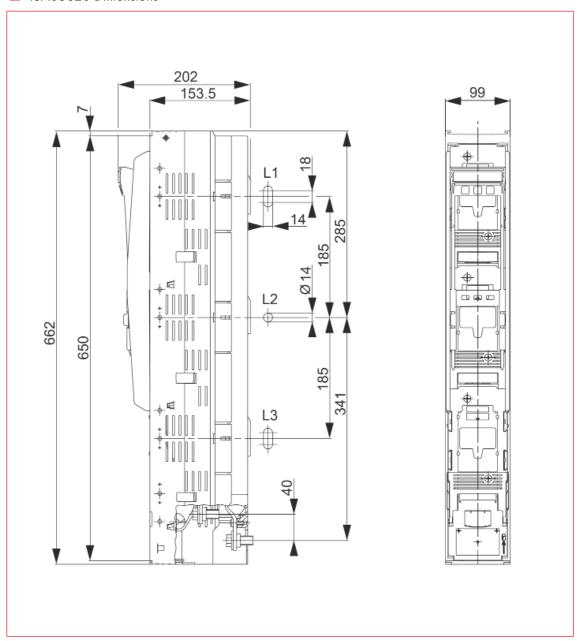


- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact
- Protection degree IP30, from front side, device closed, with clamp- and side cover
- Type label visible in built-in condition
- Lockable in closed position and in stand-by position with up to 3 padlocks

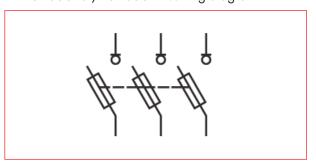
Size	NH3
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1, NH2 and NH3
Rated operating voltage	690V
Rated operating current	630A
Current measurement	No
Conv. free air thermal current with fuse-links	630A
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Total power loss at Ith (without fuse-link)	115W
Utilisation category	AC-21B (630A/690V)
,	AC-22B (630A/500V)
	AC-23B (630A/400V)
Rated conditional short-cirquit current	120kA (AC 500V)
Rated short-time withstand current	10kA
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55°C
Ambient temperature	>35°C derating of rated current required
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Degree of protection	IP30
Cable terminal ISA05320	Flat terminal M 12
	Cable lug (DIN 46 235) 1 x 25-300mm² (max. 43mm width)
	Tightening torque 35-40Nm
Cable terminal ISA05321	V box terminal
	Clamping cross-section 25-240mm ²
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

■ ISA05320 Dimensions



■ ISA05320 / ISA05321 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size3, 3-pole, 630A, M12	555	ISA05320
Size3, 3-pole, 630A, with V-terminal	000 0-0	ISA05321
HRC-in-line-fuse ARROW LINE size 3, 3pole, 185mm, M12		ISA05343





■ HRC-connection-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

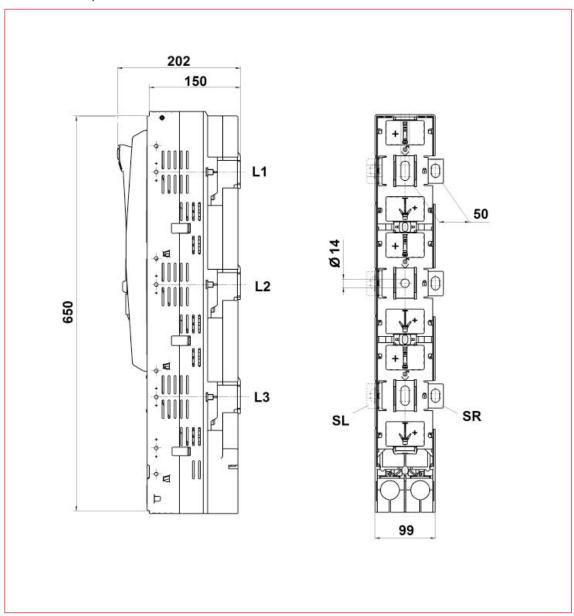


- Busbar coupler, Terminal at right or left side with screw M12
- With cable connection at bottom side, optional at top side
- Width 100mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- Fuse holding contacts with sacrificial electrode and short-cirquit interlock
- With access points for safety voltage measurement on the fuse-holding contact

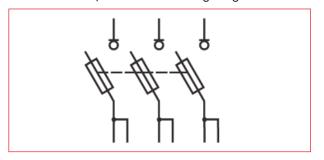
Size	NH3
Product Lifecycle	Active product
Standard	IEC/EN60947-3
Special features	Busbar coupler
	ISA05330: Terminal at left side with screw M12
	ISA05331: Terminal at right side with screw M12
Rated operating current	630A
Size	NH3
Busbar distance	185mm
Rated operating voltage	690V
Conv. free air thermal current with fuse-links	630A
Rated conditional short-cirquit current	120 (AC 500V)kA
Conv. free air thermal current with solid links	800A
Rated impulse voltage	12kV
Rated isolation voltage	1000V
Rated frequency	40 - 60Hz
Contact system	DELTA-contact system with low power loss
Utilisation category	AC-21B (630A/690V)
	AC-22B (630A/500V)
	AC-23B (630A/400V)
Max. permissible power dissipation per fuse-link	48W
Ambient temperature	-25 up to +55 (>35 derating of rated current required)°C
Type of Actuation	Dependent manual operation
Mounting position	vertical / horizontal
Pollution degree	3
Overvoltage category	IV
Electrical endurance (switching cycles)	200
Mechanical endurance (switching cycles)	800
Rated short-time withstand current	15kA
Applicable for fuse-links	
Cable terminal	busbar terminal M12 - busbar coupler
Degree of protection	IP30

■ HRC-connection-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

■ ISA05330 / ISA05331 Dimensions



■ ISA05330 / ISA05331 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, left		ISA05330
Input-HRC-in-line-fuse ARROW LINE size3, 3pole, 185mm, right		ISA05331



254

Accessories for ARROW LINE series ARROW II







ISA05329

- Accessories for NH (HRC)-strip-type fuse-switch-disconnector, series ARROW II
- Fuse links and knife links are in the chapter accessories for NH (HRC) material

DESCRIPTION	AVAILABLE	ORDER NO.
Terminals for drillingfree mounting Set with 3pcs.	860 0-0	ISA05333
Current transformer 150A for ARROW LINE with CT-mounting		ISA05345
Current transformer 400A for ARROW LINE with CT-mounting		ISA05347
Current transformer 600A for ARROW LINE with CT-mounting		ISA05348
V-double-clamp retrofit kit, size 1-3, 2 x 185 - 240mm²	000 0-0	ISA05730
Adapterplate for L1 on ARROW LINE		ISA0 <i>57</i> 29
Adjusting cover for ARROW II size 00 (1 pck = 2 pcs)	550 0-0	ISA05329
Cover cap for top or bottom terminal ARROW II 1-3	000 0-0	ISA05334