

## Busbar-support 60mm-system, series ARROW

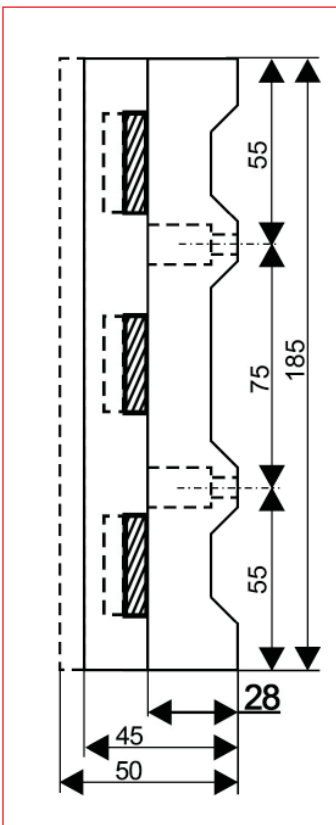




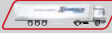

IS502752

### 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		<b>IS502750</b>
3pole, long, 60mm system		<b>IS502752</b>
1 pole, detachable, 60mm system		IS502754
2 pole, single, 60mm system		<b>IS502755</b>
Busbar support end-bracket 3pole, 60mm system		<b>IS502757</b>



## ARROW R Switch Disconnecter D02



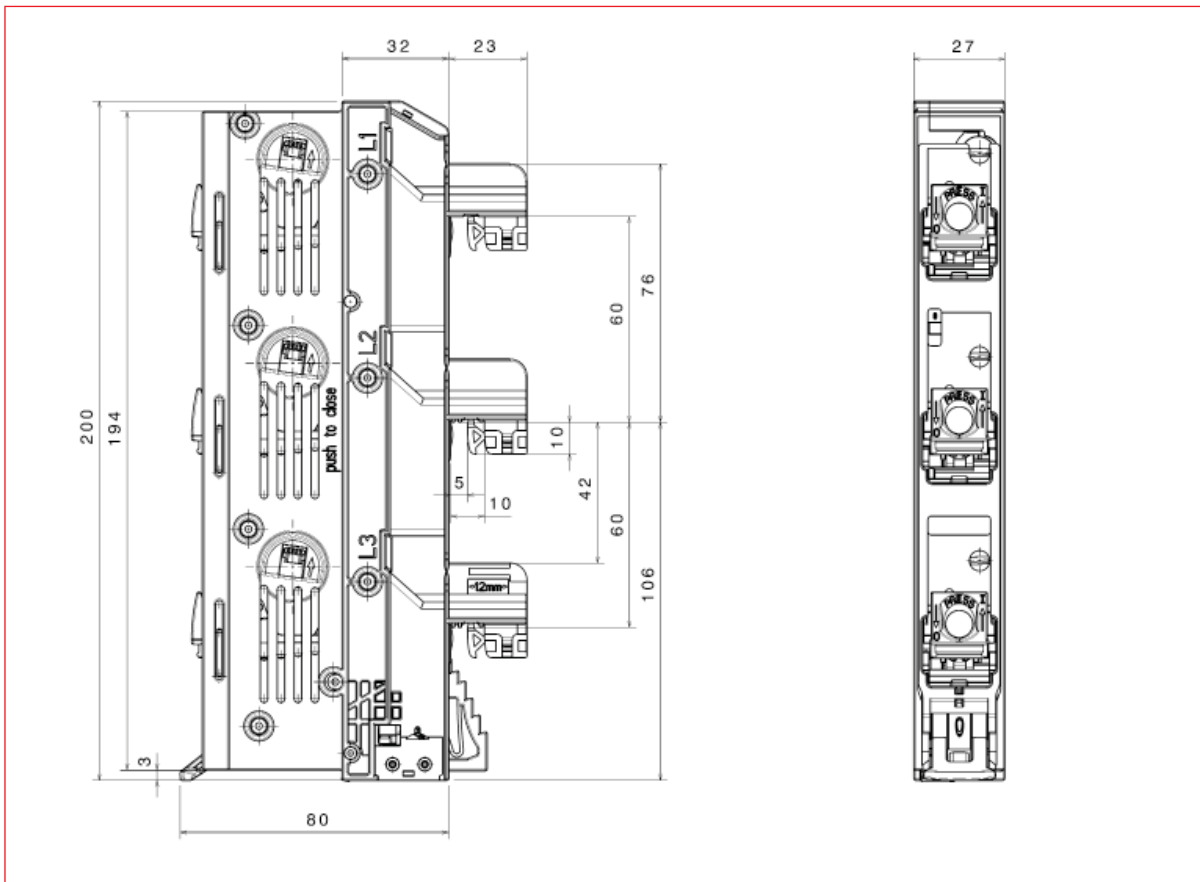
IS503863

### Schrack-Info

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

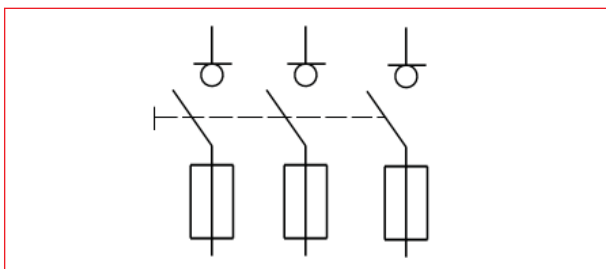
Fuse-size	D02 in according EN 60269-3
Rated current (IEC):	63 A
Poles:	3-pole
Rated voltage (IEC) AC:	400 V
Utilisation category AC (IEC 60947-3):	AC-22B (400V)
Rated isolation voltage $U_i$ :	500 V
Rated surge voltage $U_{imp}$ :	6 kV
Max. permitted voltage (IEC) AC:	800 V
Cond. rated short-circuit 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 <sup>2</sup> stranded and flexible without ferrule 1,5 - 10 mm <sup>2</sup> flexible with ferrule 1,5 - 10 mm <sup>2</sup> fixed


### IS503863 Dimensions



**ARROW R Switch Disconnecter D02**

**IS503863 Wiring diagram**



DESCRIPTION	AVAILABLE	ORDER NO.
63A		<b>IS503863</b>





**ARROW R Switch Disconnecter D02 with fixed adjusting sleeves**



IS503825

**Schrack-Info**

- Fixed sleeve rings

DESCRIPTION	AVAILABLE	ORDER NO.
20A, complete		<b>IS503820</b>
25A, complete		<b>IS503825</b>
35A, complete		<b>IS503835</b>
50A, complete		<b>IS503850</b>



## ■ Tytan R Switch Disconnecter D02



IS504851



IS504853

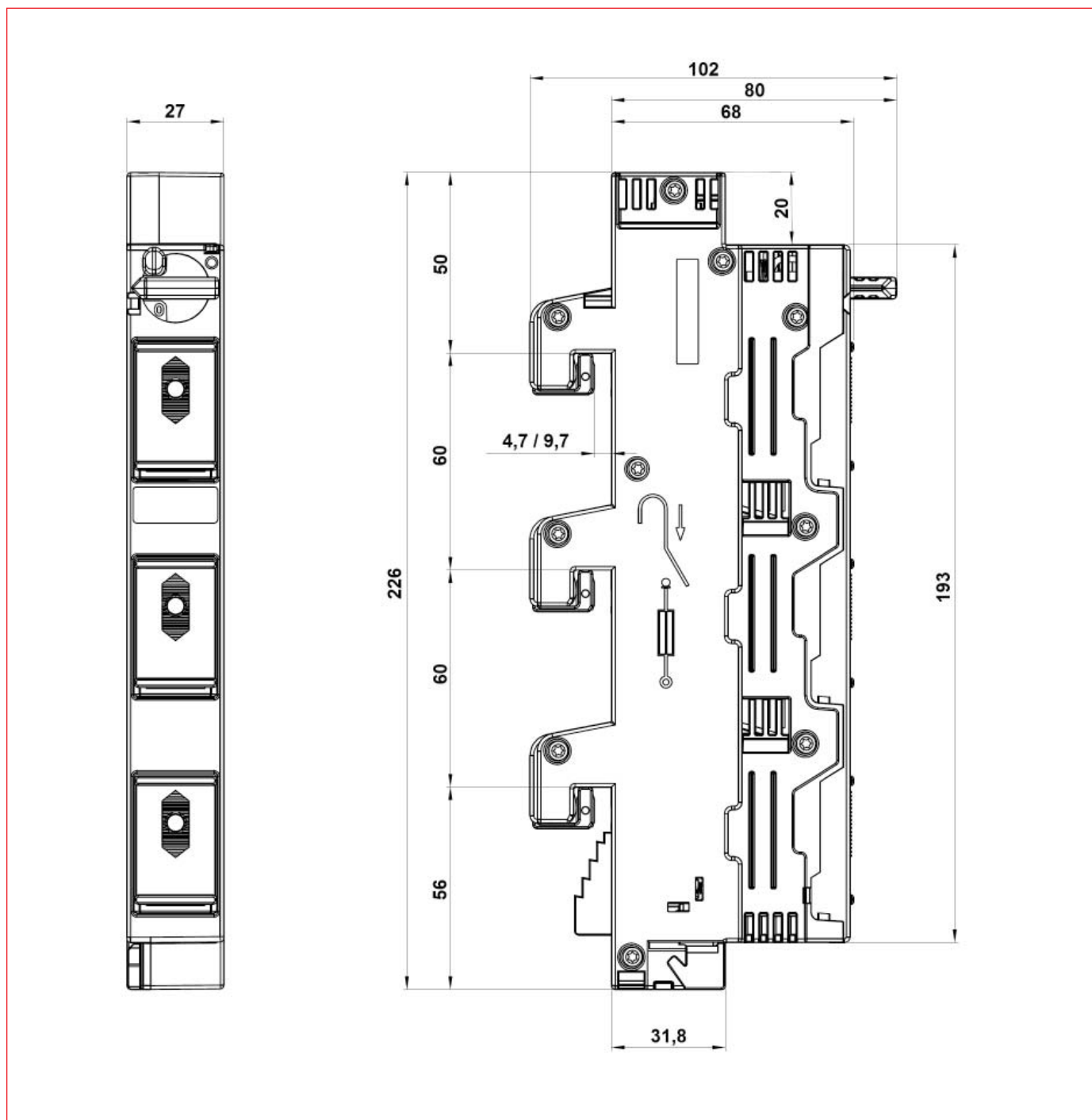
### ■ Schrack-Info

- 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

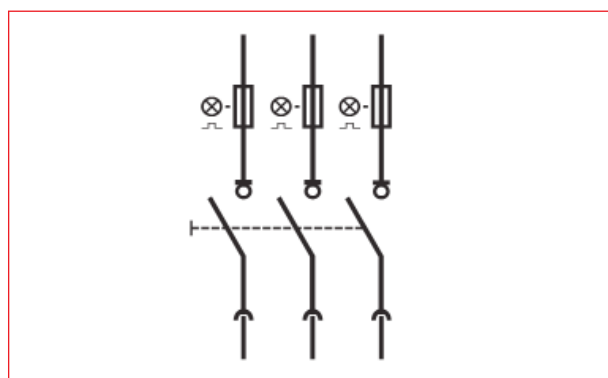
Classification	Switch disconnecter fuse
Standards	EN 60947-3, IEC 947-3, DIN VDE 0638
Suitable for D0 fuses DIN 49522	D01, 2, 4, 6, 10, 13, 16 A with plug retaining spring D02: 20, 25, 32, 35, 40, 50, 63 A
Suitable for cylinder fuses IEC/EN 60269-1	10x38 mm: 2 ... 32 A with plug retaining spring
Suitable for gauge-pieces DIN 49523	D02: 2, 4, 6, 10, 16, 20, 25, 35, 50 A
Number of poles	3-pole
Rated operational voltage $U_e$	D0: 400V-AC, 10 x 38 zyl. 500V-AC
Rated operational current $I_n$	63 A
Rated impulse withstand voltage $U_{imp}$	6000 V
Rated short circuit making capacity $I_{cm}$	50 kA <sub>eff</sub>
Utilisation category	AC 22B
Power loss	4,5 W
Overvoltage category	IV (DIN VDE 0110)
For busbar-system	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 mm <sup>2</sup>
Torque $M_p$	4 Nm

■ Tytan R Switch Disconnecter D02

■ IS504851 Dimensions



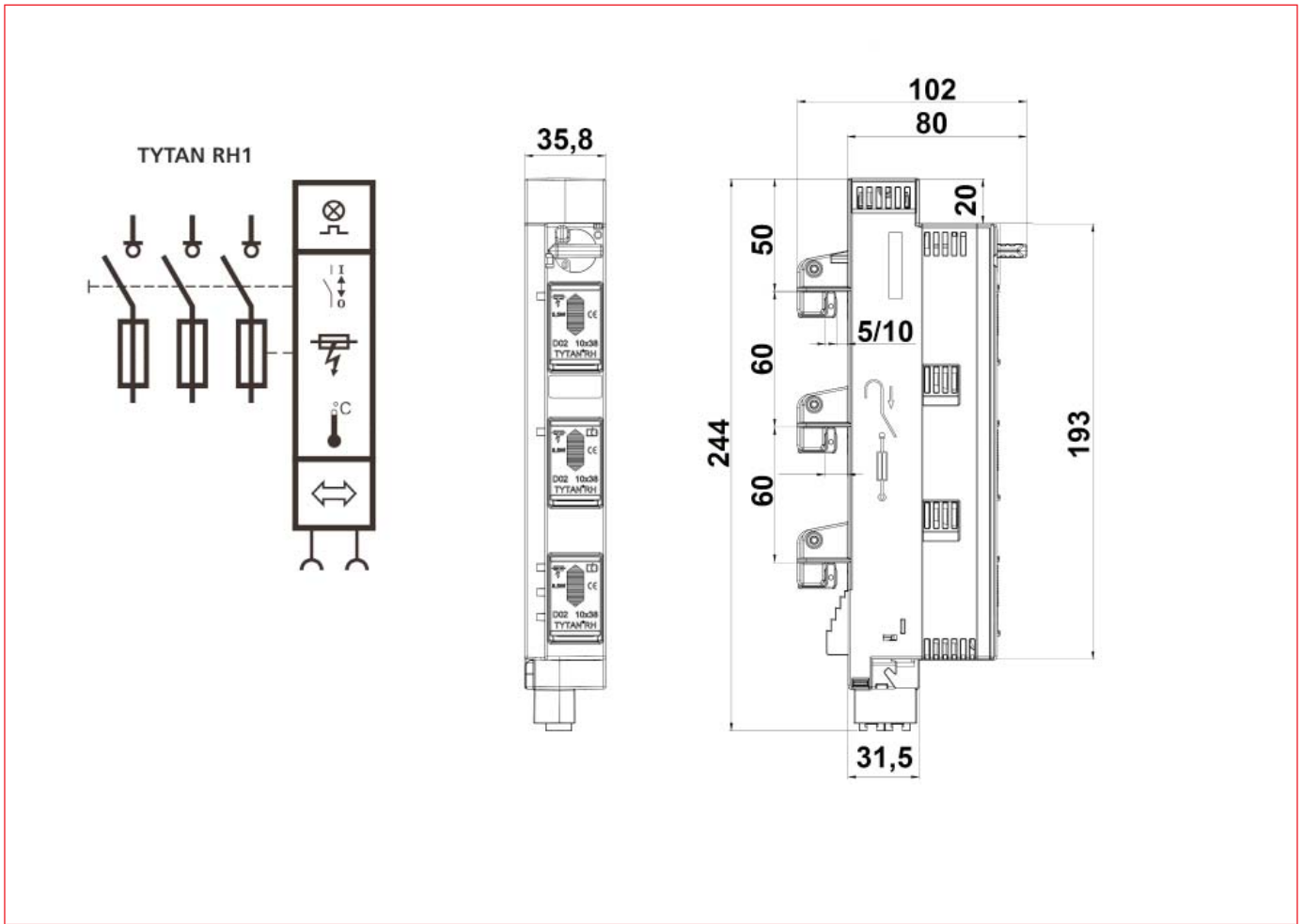
■ IS504851 Wiring diagram



# Busbar-system 60mm, series ARROW

## Tytan R Switch Disconnecter D02

### IS504858 Dimensions



DESCRIPTION	AVAILABLE	ORDER NO.
20A, 3-pole		IS504853
63A, 3-pole		<b>IS504851</b>
63A, 3pole+N		<b>IS504852</b>
TYTAN RH1-Load-Breaker D02 for 60mm-System with monitoring		IS504858
TYTAN HR12-relays summary-module-monitoring 2 C/O 5A / 250 VAC		<b>IS504871</b>
TYTAN HR11-relays single-module-monitoring 2 C/O 5A / 250 VAC		<b>IS504870</b>
TYTAN HC-Patchcord RJ10 15 cm		IS504873
TYTAN HC-Patchcord RJ10, 100 cm		<b>IS504877</b>


**Tytan R Switch Disconnecter D02 with fixed adjusting sleeves**



IS504853

**Schrack-Info**

- Fixed sleeve rings

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

**Tytan R Switch Disconnecter D02 Terminals**



IS504879




IS504879

**Schrack-Info**

- Ammeter at all three phases
- Data memory for monitoring (min, max und average of the last 24h)
- 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 $I_n$	63 A
Measurement range AC	0-75 A
Max. continuous current $I_b$	50 A
Rated voltage	400V AC
Power loss	$\leq 2,1$ mVA
Procedure AC	True RMS
Wave form	symmetric
Rated frequency $f_n$	50 Hz
Frequency range	47-65 Hz
Accuracy	$\pm 1\% \pm 1$ digit at $I_n$ at $25^\circ\text{C} \pm 1^\circ\text{C}$
Definition	100 mA (0.0...9.9 A), 1 A (10...99 A)
Measurement rate	1 rating/ 1,4 s
Reference-temperature	$25^\circ\text{C} \pm 1^\circ\text{C}$
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		<b>IS504879</b>



# Busbar-system 60mm, series ARROW

## Coron R Switch Disconnecter D02



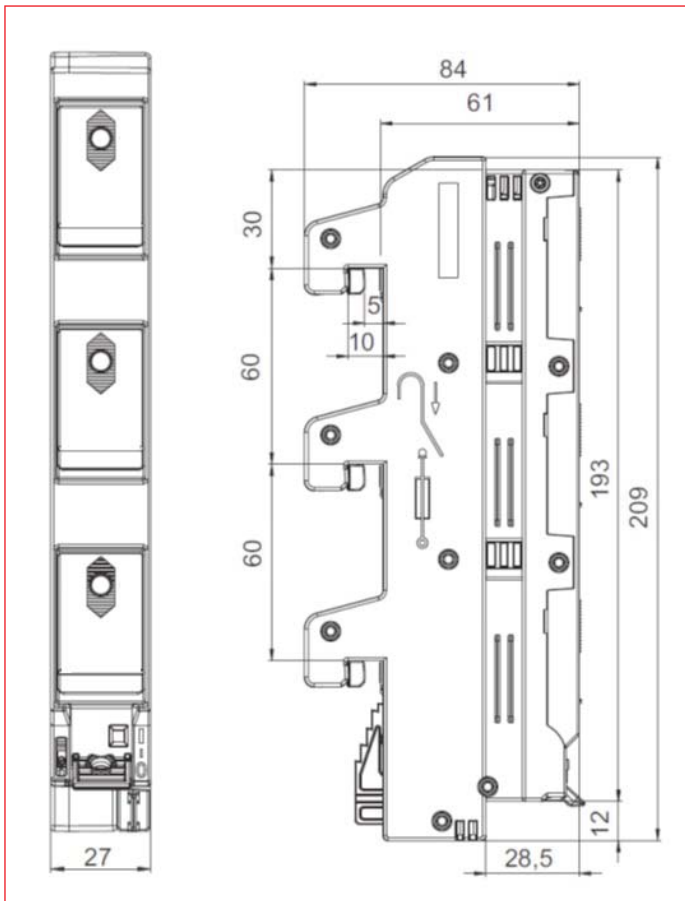
IS503563

### Schrack-Info

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

Rated voltage $U_n$	400V-AC
Rated current $I_n$	63A
Rated short circuit making capacity $I_{CM}$	50kA <sub>eff</sub>
Connection style	Stainless steel cage terminal
Terminal capacity	1,5-25 mm <sup>2</sup>
Turning Moment	3Nm

### Dimensioned drawing



DESCRIPTION	AVAILABLE	ORDER NO.
D02, 3poles, 63A		<b>IS503563</b>
Duct for CORON R ( 2parts)		<b>IS503569</b>



## ■ D02-Switch Disconnecter for 60mm busbar-system



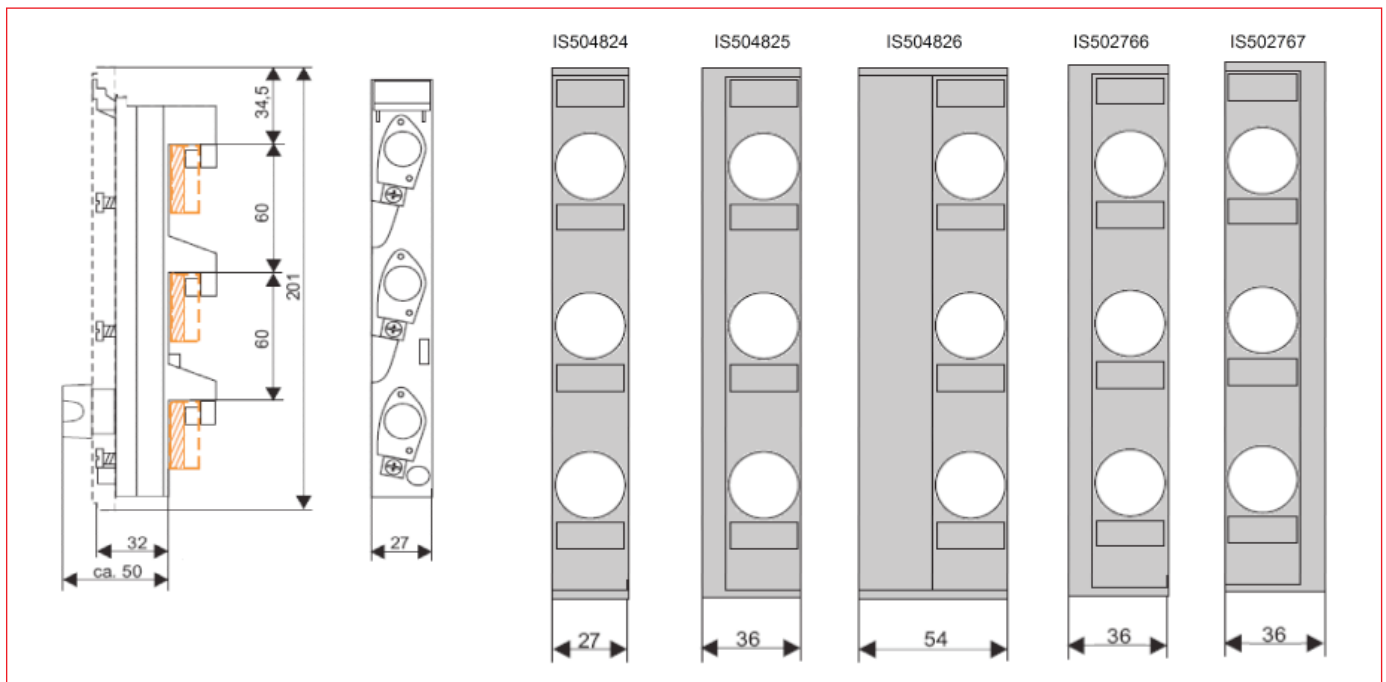
IS504823

### ■ Schrack-Info

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

Size of fuse	D02
Poles	3-pole
D0-fuse links	2 - 63 A
D02 gauge	acc. DIN 49523
Creep resistance	CTI600
Fire class	UL94-V0
Rated operation voltage $U_p$	400V AC / 250V DC
Rated short circuit making capacity $I_{cm}$	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 - 25mm <sup>2</sup>
Torque	3-4 Nm

### ■ IS504823 Dimensions



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



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



ISA05019

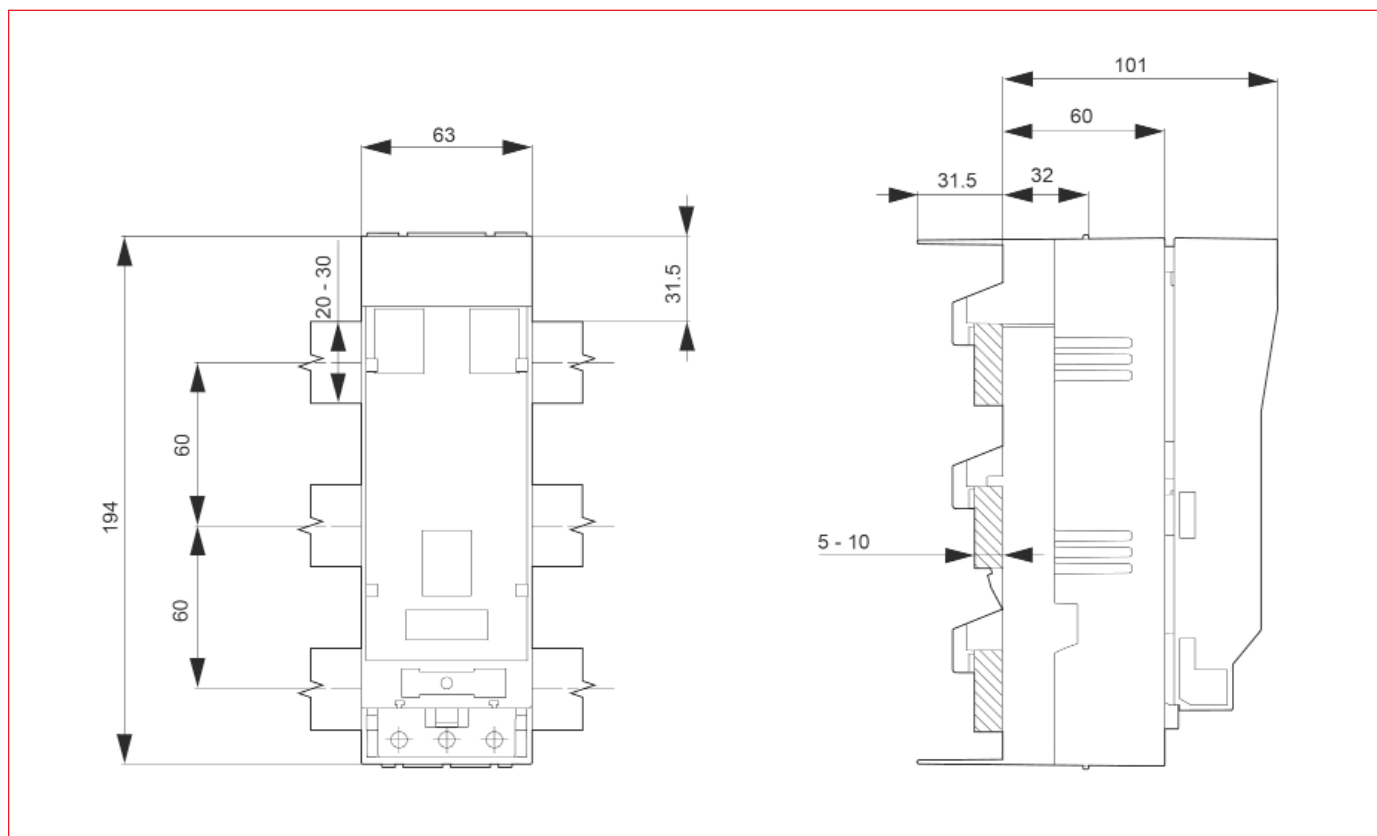
### ■ Schrack-Info

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

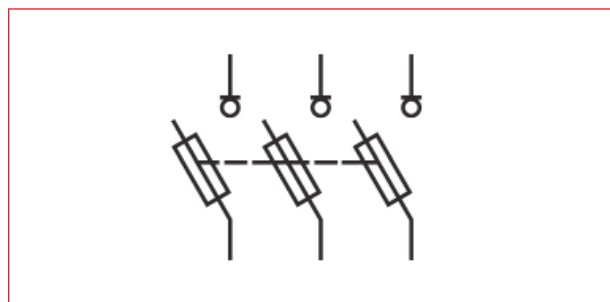
Size	NH000
Poles	3
Applicable for fuse-links	NH000
Standard	IEC/EN 60 947-3
Type of installation	Busbar mounting
Busbar distance	60mm
Switching mode	3pole switchable
Rated operating voltage	500V
Rated operating current	125A
Conv. free air thermal current with fuse-links	125A
Conv. free air thermal current 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-circuit 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	III
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 - 50mm <sup>2</sup> 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

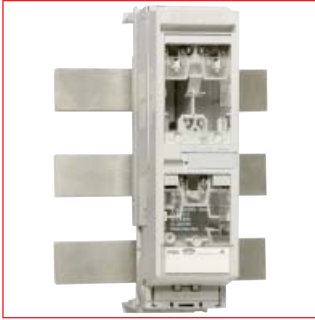


■ ISA05019 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Arrow Bloc C00 for 60mm busbar inout bottom		<b>ISA05019</b>

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



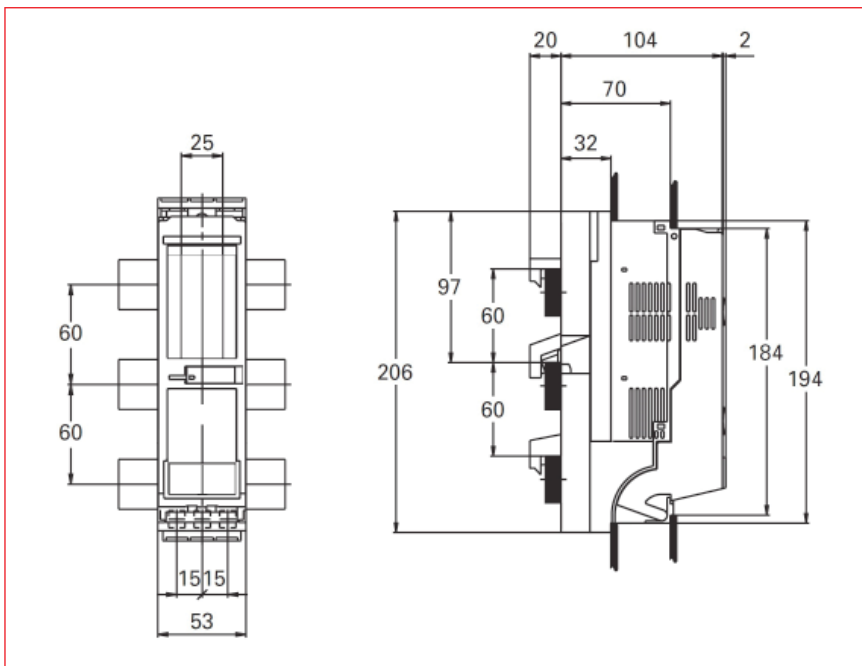
IS505019-B

### ■ Schrack-Info

- Device width 54 mm
- Touch protection IP 3x
- Lid lock combined with sealing
- Connection box terminal up to 2.5-50mm<sup>2</sup>

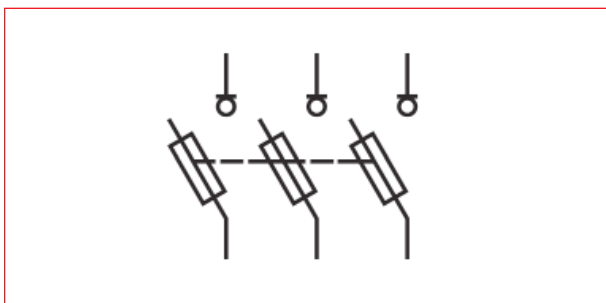
<b>Size</b>	000
Poles / Phases	3
Conventional thermal current in free air with NH-fuse links $I_n$	100A
Busbarsystem	60mm
Busbar high	20-30mm
Busbar thickness	5 or 10mm
Standard	IEC/EN 60947-3
Utilisation category / Rated operation voltage $U_e$ / Rated operation current $I_n$	AC 22 B / $U_e = 690V / I_n = 100A$ DC 21 B / $U_e = 440V / I_n = 100A$
Rated operation voltage $U_e$	690V
Rated isolation voltage $U_i$	750V
Rated impulse withstand voltage $U_{imp}$	8kV
Rated frequency	50-60Hz
Maximum permissible rated power output of the NH fuse links $P_n$	12W
Protection class	IP20
Pollution degree	3
Rated duty continuous operation	non-stop operation
Rated conditional short circuit current for protection by fuses:	AC 50kA (690V/500V)
	DC 25kA (220V/440V)
Electrical live (operations)	300
Mechanical live (operations)	1700
Overvoltage category	III
Standard connection	lift-terminal
Terminal capacity	1,5-50mm <sup>2</sup>


### ■ 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		<b>IS505019-B</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 $U_e$	690V-AC 440V-DC
Rated operational current <sup>1)</sup> $I_n$	160 A
Rated frequency $f$	40 - 60 Hz
Rated insulation voltage $U_i$	800V-AC
Total power loss at $I_n$ (without fuse-links) $P_v$	14W
Rated impulse withstand voltage $U_{imp}$	8kV
Utilisation category <sup>2)</sup>	AC-23B (400V/160A) <sup>2b)</sup> AC-22B (500V/160A) <sup>2b)</sup> AC-21B (690V/160A) <sup>2b)</sup> DC-22B (250V/160A) <sup>2b)</sup> DC-21B (440V/160A) <sup>2c)</sup>
Rated conditional short-circuit current <sup>2) 3)</sup>	120 kA (500V) <sup>2b)</sup> 100 (690V) <sup>2b)</sup>
Rated short-time withstand current $I_{cw}$	7 kA (1s)
Max. permis. power loss per fuse-link $P_a$	12 W
Degree of protection	Front side, operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10
Ambient temperature <sup>4)</sup> $T_{amb}$	-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
Overtoltage category	III
Cable terminal, flat terminal	Bolt diameter M8 Tightening torque $M_n$ 12-15 Nm
Cable terminal, clip terminal	Clamping cross-section conductor round 1,5 - 70 mm <sup>2</sup> copper cusbar 6 x 9 x 0,8 Tightening torque $M_n$ 2,6 Nm

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

<sup>2)</sup> It must be considered a minimum distance to earthed, conductive parts:

<sup>2b)</sup> Lateral: 20mm / Above: 50mm

<sup>2c)</sup> Lateral: 50mm / Above: 100mm

<sup>3)</sup> Type tested with LV-HRC-fuse-links characteristic gG.

<sup>4)</sup> 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		ISA05731

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

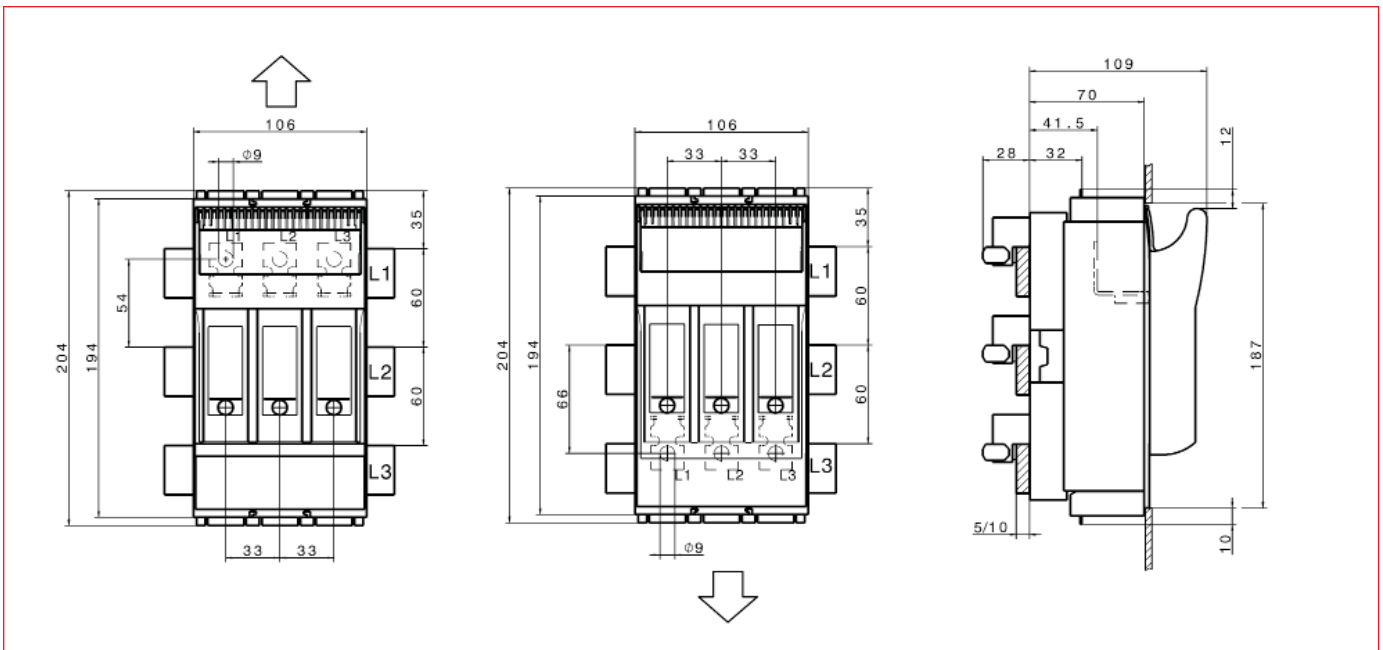


ISA05223-A

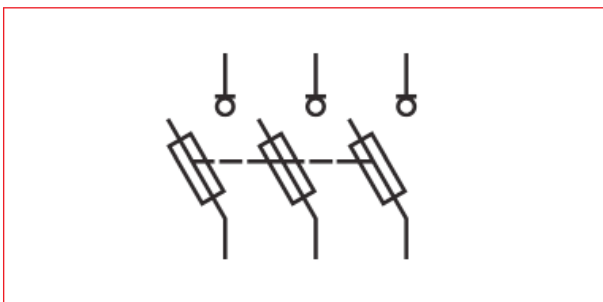
**/// Schrack-Info**

- 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		<b>ISA05300</b>
Size 00, 3-pole, 160A, M8		<b>ISA05223-A</b>
Prism clamp 1,5-70mm <sup>2</sup> for size 00		<b>ISA05335</b>

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



ISA05290

### ■ Schrack-Info

- Output direction from top or bottom, different types

DESCRIPTION	AVAILABLE	ORDER NO.
Size 1, 3-pole, 250A, M10, outlet bottom		<b>ISA05290</b>

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



ISA05290-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

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 1
Rated operational voltage $U_n$	690VAC / 440V-DC
Rated operational current <sup>1)</sup> $I_n$	250A
Conv. free air thermal current with fuse-links <sup>1)</sup> $I_{th}$	250A
Rated frequency $f$	40-60Hz
Rated insulation voltage $U_i$	800V-AC
Total power loss at $I_{th}$ (without fuse-links) $P_v$	22W
Rated impulse withstand voltage $U_{imp}$	8kV
Utilisation category <sup>2)</sup>	AC-23B (400V/250A) <sup>2b)</sup> AC-22B (500V/250A) <sup>2b)</sup> AC-21B (690V/250A) <sup>2b)</sup>
Rated conditional short-circuit current <sup>2) 3)</sup>	120 kA (500V) <sup>2b)</sup> 100 (690V) <sup>2b)</sup>
Rated short-time withstand current $I_{cw}$	10kA(1s)
Max. permis. power loss per fuse-link $P_a$	23W
Degree of protection, front side	Operating condition IP20 With clamp- and lateral cover IP20XC switching element open IP10
Ambient temperature <sup>4)</sup> $T_{amb}$	-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 Tightening torque 30-35Nm

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

<sup>2)</sup> It must be considered a minimum distance to earthed, conductive parts:

<sup>2b)</sup> Lateral: 20mm / Above: 50mm

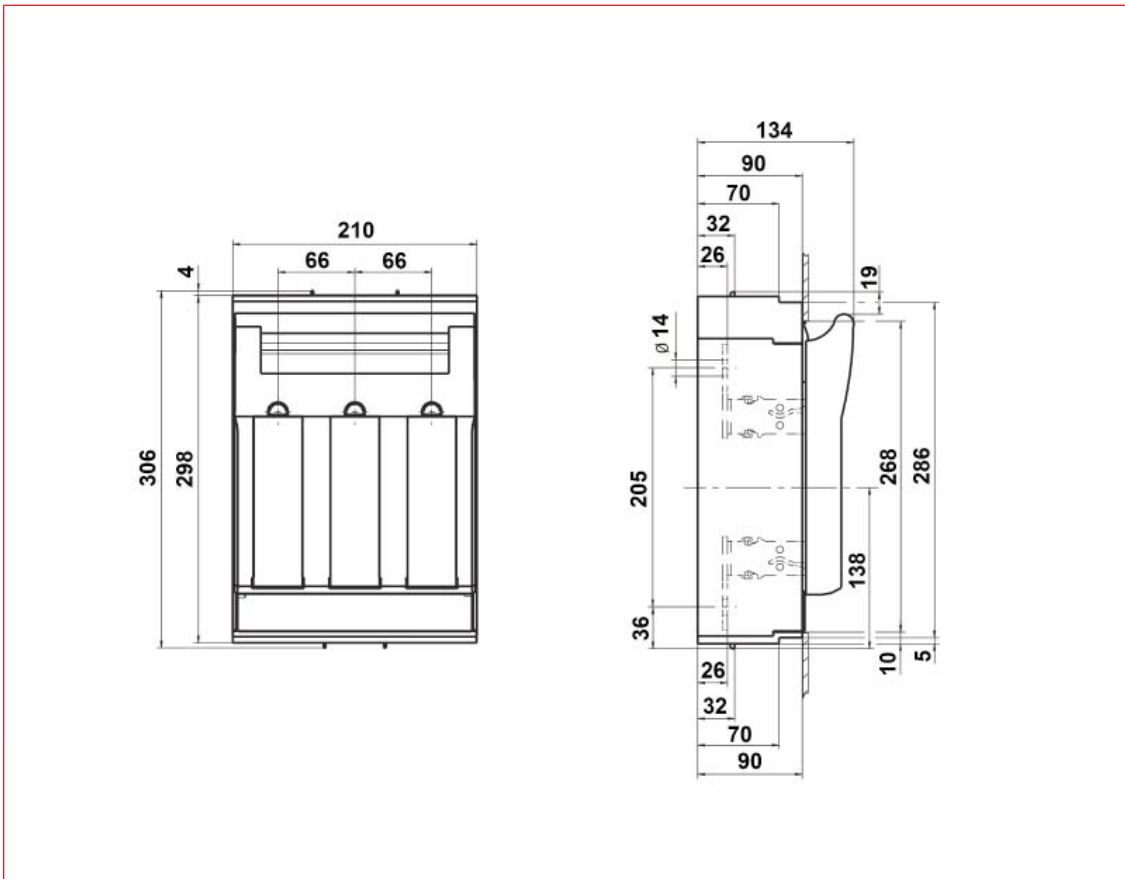
<sup>3)</sup> Type tested with LV-HRC-fuse-links characteristic gG.

<sup>4)</sup> 35°C Normal temperature, at 55°C with reduced operating current

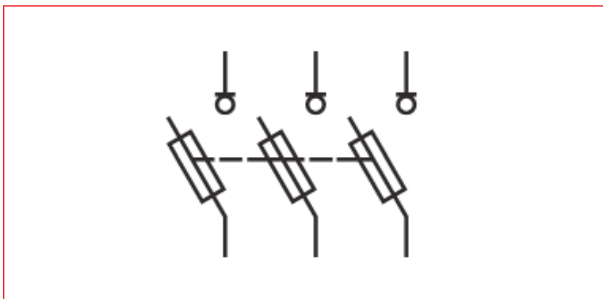



■ HRC-busbar-fuse load-breaker size 1 (250A) for 60mm system, series ARROW BLUE

■ ISA05290-A Dimensions



■ ISA05290-A Wiring diagram




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

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



ISA05251

DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet bottom		<b>ISA05251</b>

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



ISA05251 -A

### ■ 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

Standard	IEC/DIN/EN 60947-3
For LV HRC fuse-links acc. to DIN VDE 0636-2	size 2
Rated operational voltage $U_n$	690VAC / 440 V DC
Rated operational current <sup>1)</sup> $I_n$	400A
Conv. free air thermal current with fuse-links <sup>1)</sup> $I_{th}$	400A
Rated frequency $f$	40-60Hz
Rated insulation voltage $U_i$	800 V AC
Total power loss at $I_{th}$ (without fuse-links) $P_v$	22W
Rated impulse withstand voltage $U_{imp}$	8kV
Utilisation category <sup>2)</sup>	AC-23B (400V/400A) <sup>2b)</sup>
	AC-22B (500V/400A) <sup>2b)</sup>
	AC-21B (690V/400A) <sup>2b)</sup>
Rated conditional short-circuit current <sup>2) 3)</sup>	120 kA (500V) <sup>2b)</sup>
	100 (690V) <sup>2b)</sup>
Rated short-time withstand current $I_{cw}$	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 <sup>4)</sup> $T_{amb}$	-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
	Tightening torque 30-35Nm

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

<sup>2)</sup> It must be considered a minimum distance to earthed, conductive parts:

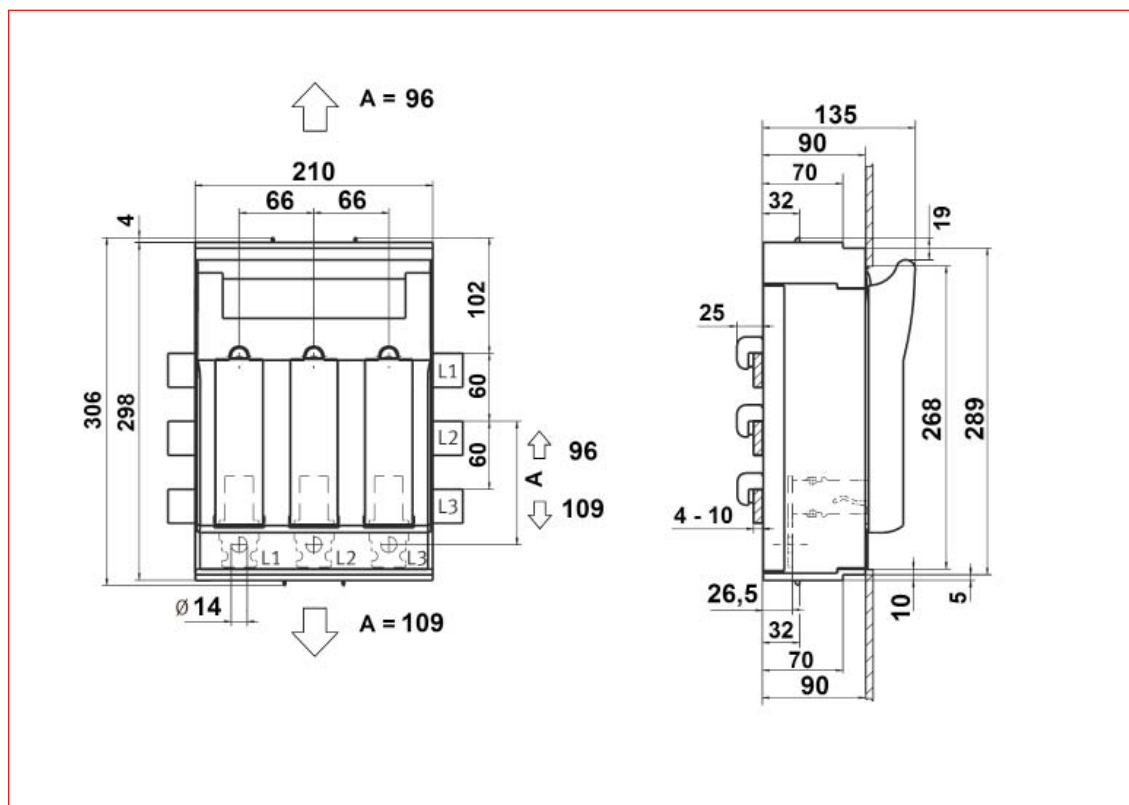
<sup>2b)</sup> Lateral: 20mm / Above: 50mm

<sup>3)</sup> Type tested with LV-HRC-fuse-links characteristic gG.

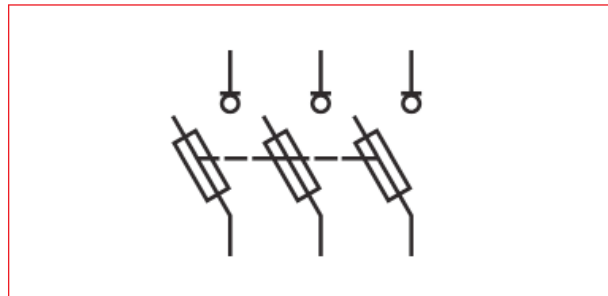
<sup>4)</sup> 35°C Normal temperature, at 55°C with reduced operating current

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

■ ISA05251-A Dimensions



■ ISA05251-A Wiring diagram








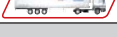
DESCRIPTION	AVAILABLE	ORDER NO.
Size 2, 3-pole, 400A, M10, outlet top or bottom		<b>ISA05251-A</b>

# Busbar-system 60mm, series ARROW

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

### Schrack-Info

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

DESCRIPTION	AVAILABLE	ORDER NO.
Single clamp strap size 00		<b>ISA05300</b>
Prism clamp 1,5-70mm <sup>2</sup> for size 00		<b>ISA05335</b>
Clip terminal ARROW BLUE size 1		<b>ISA05740-A</b>
Clamp terminal ARROW BLUE size 1		<b>ISA05742-A</b>
Boxterminal ARROW BLUE size 1		ISA05744-A
Clip terminal ARROW BLUE size 2		<b>ISA05741-A</b>
Clamp terminal ARROW BLUE size 2		<b>ISA05743-A</b>
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		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 sided 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



ISA05260

### ■ Schrack-Info

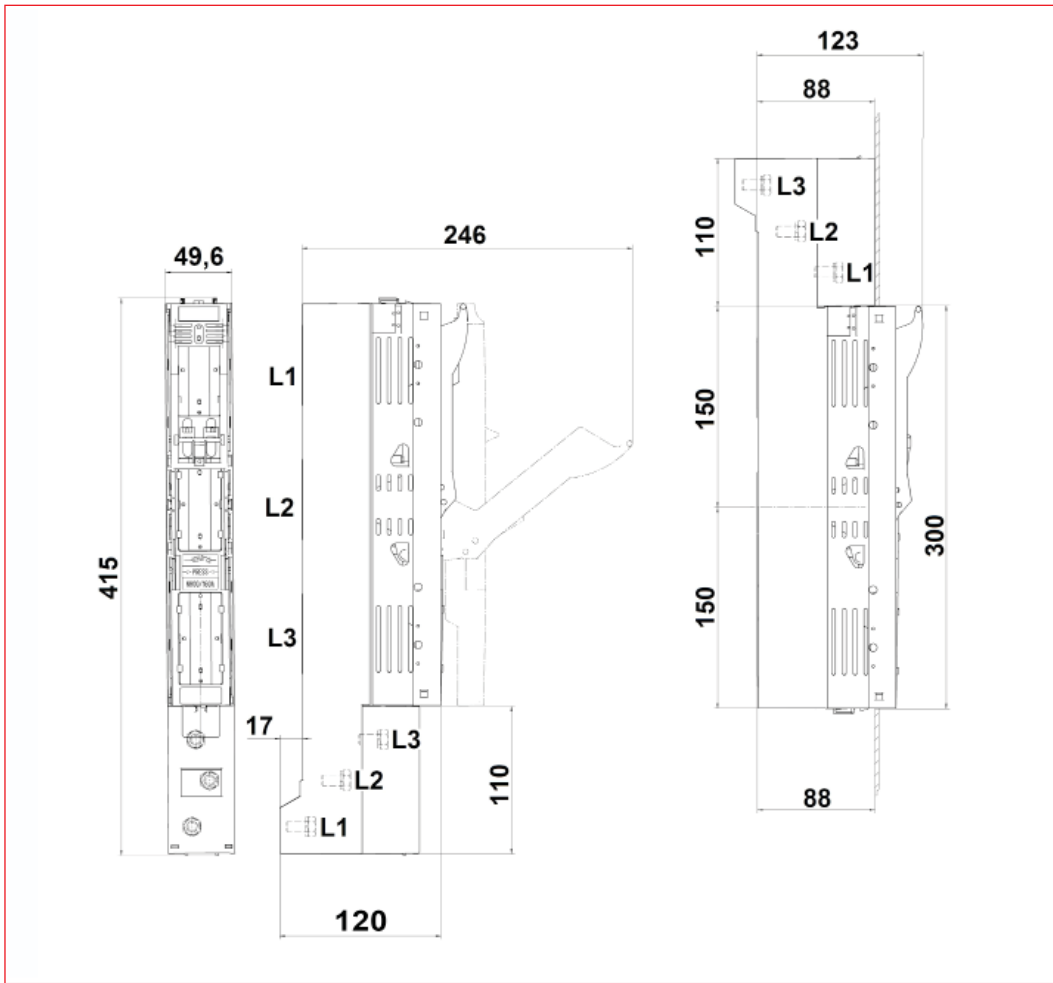
- NH-strip-type fuse-switch-disconnector with adapter for 60mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device 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	3pole 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 lth (without fuse-link)	18W
Utilisation category	AC-22B (100A/690V)
	AC-22B (160A/400V)
	AC-22B (160A/500V)
Rated conditional short-circuit 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 10-95mm <sup>2</sup> (max. 25mm width)
Tightening torque	12-15 Nm

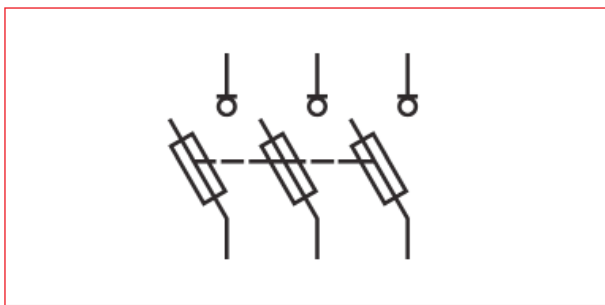
# Busbar-system 60mm, series ARROW

■ 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

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



ISA05882

### ▀ Schrack-Info

- For 100mm busbar-system

DESCRIPTION	AVAILABLE	ORDER NO.
ARROW-BLOC Size 1 for 100mm busbar-system, output top		<b>ISA05886</b>
ARROW-BLOC Size 2 for 100mm busbar-system, output top		<b>ISA05887</b>
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



ISA05881-A

### ▀ Schrack-Info

- 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



**Order no. blue:** on stock, usually ready for delivery on the day of order

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



ISA05261

### ■ Schrack-Info

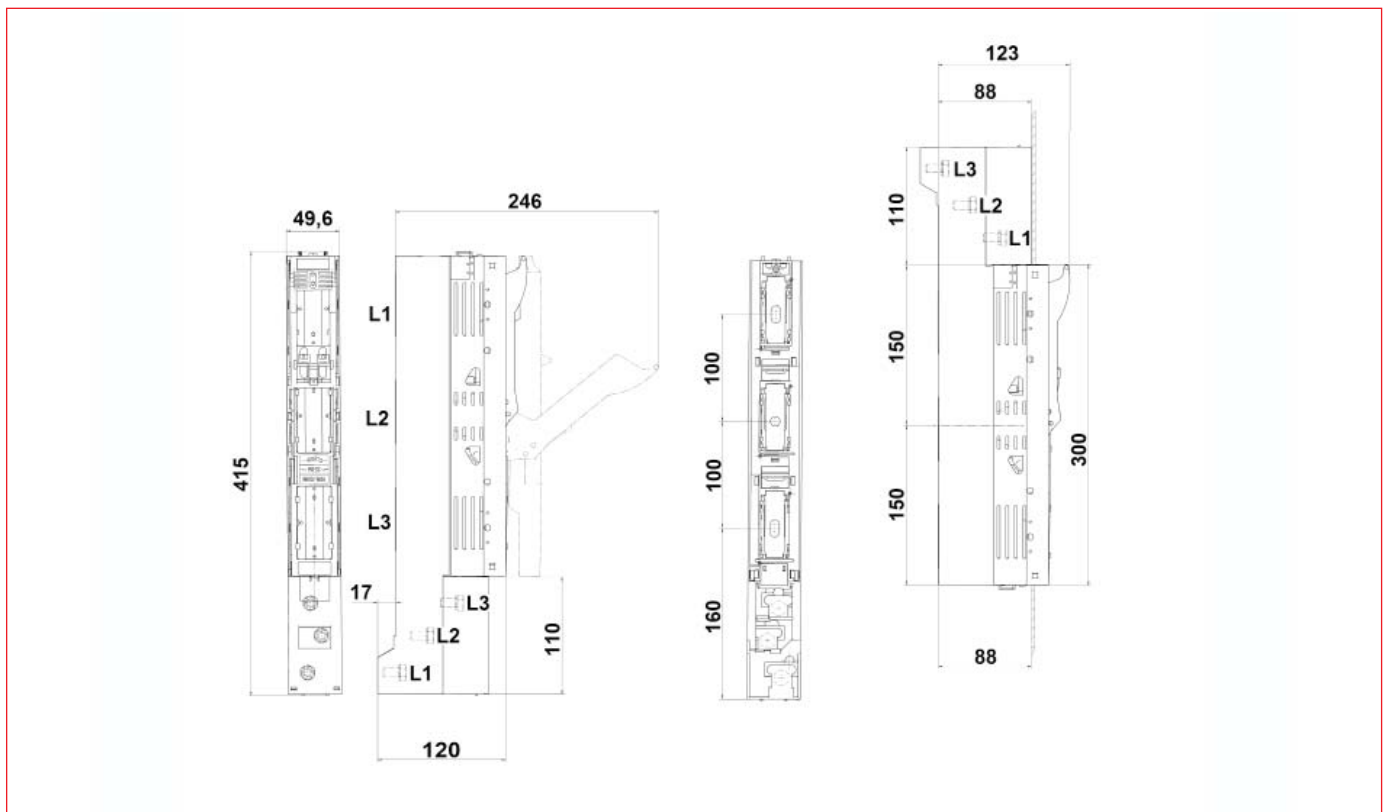
- NH-strip-type fuse-switch-disconnector for 100mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm, for permanent mounting technology
- All parts of LSL made from halogenfree, self-extinguishing material
- Protection degree IP30, from front side, device closed,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

Size	NH00
Standards	IEC/EN60947-3
Busbar 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 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-circuit 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 10-95mm <sup>2</sup> (max. 25mm width)
Tightening torque	12-15 Nm

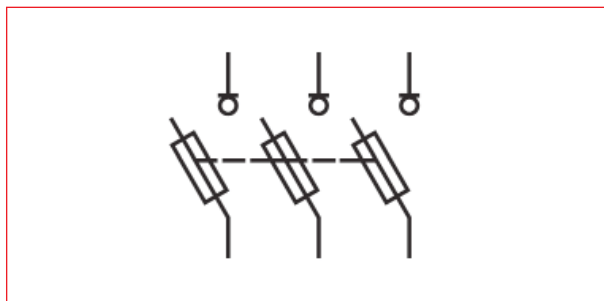


■ HRC-inline-fuse load-breaker size 00 (160A), for 100/185mm system, series ARROW II

■ ISA05261 Dimensions



■ ISA05261 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size 00, 3-pole, 160A, M8, for 100 mm busbar-system		<b>ISA05261</b>
ARROW LINE size 00, 3 pole, f. 100mm busbar with Window bloc		ISA05261F
Size 00, 3-pole, 160A, for 100mm busbar-system with boxterminals		<b>ISA05303</b>
Single adapter f/busbar 185mm		<b>ISA05327</b>
Double adapter f/busbar 185mm		<b>ISA05326</b>
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		<b>ISA05300</b>
Prism clamp 1,5-70mm <sup>2</sup> for size 00		<b>ISA05335</b>

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



ISA05304

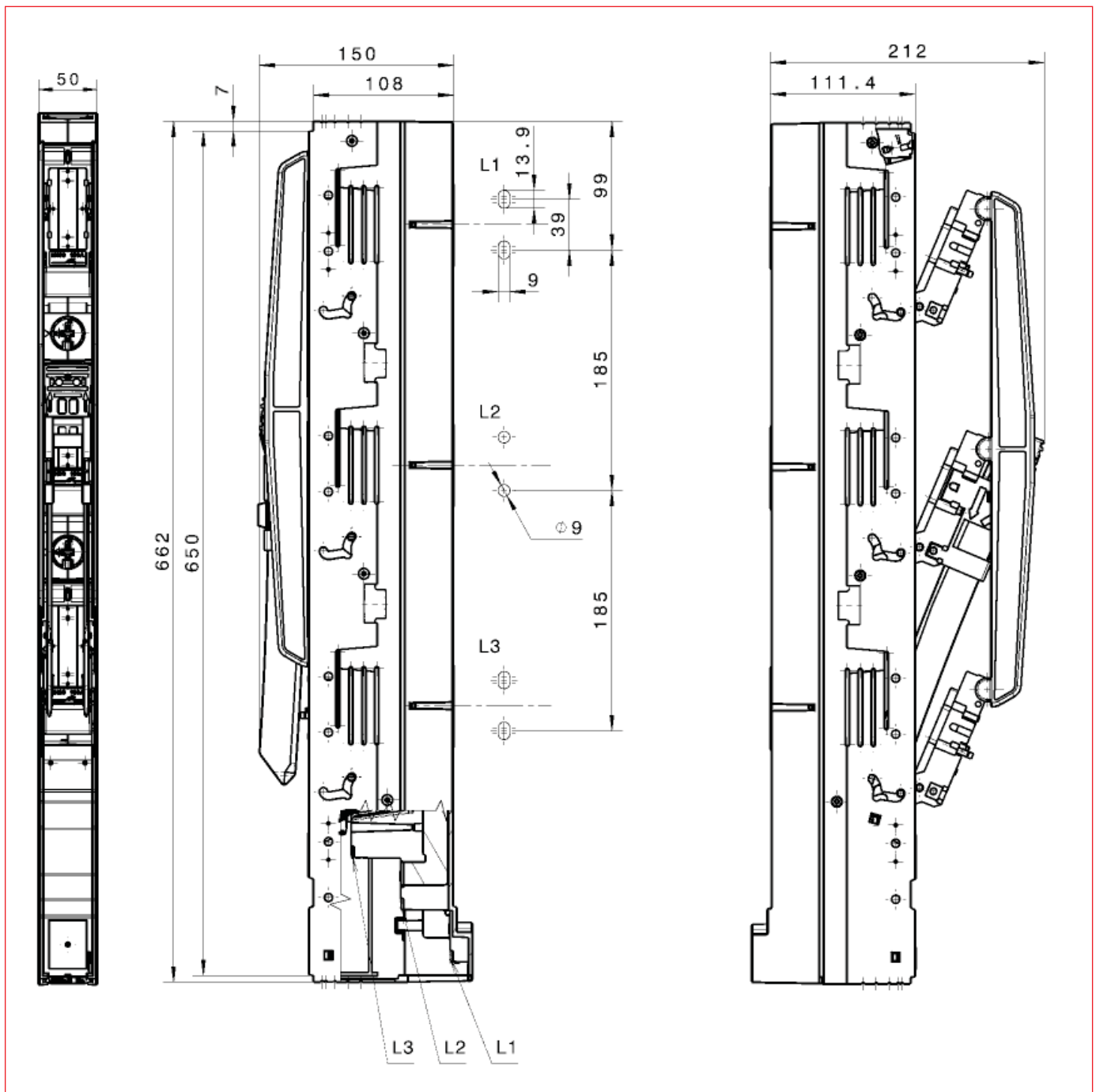
### ■ Schrack-Info

- 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

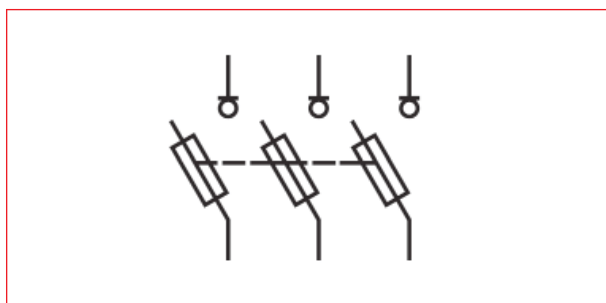
Size	NH00
Standards	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH000 / NH00
Rated operating voltage	690V
Rated operating current	160A
Current measurement	No
Conv. free air thermal current with fuse-links	160A
Rated impulse voltage	8kV
Rated 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-circuit 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 10-95mm <sup>2</sup> (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, 3-pole, 185mm-system		<b>ISA05304</b>
HRC-fuse-base for 185mm busbar system		ISA05172

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



ISA05305

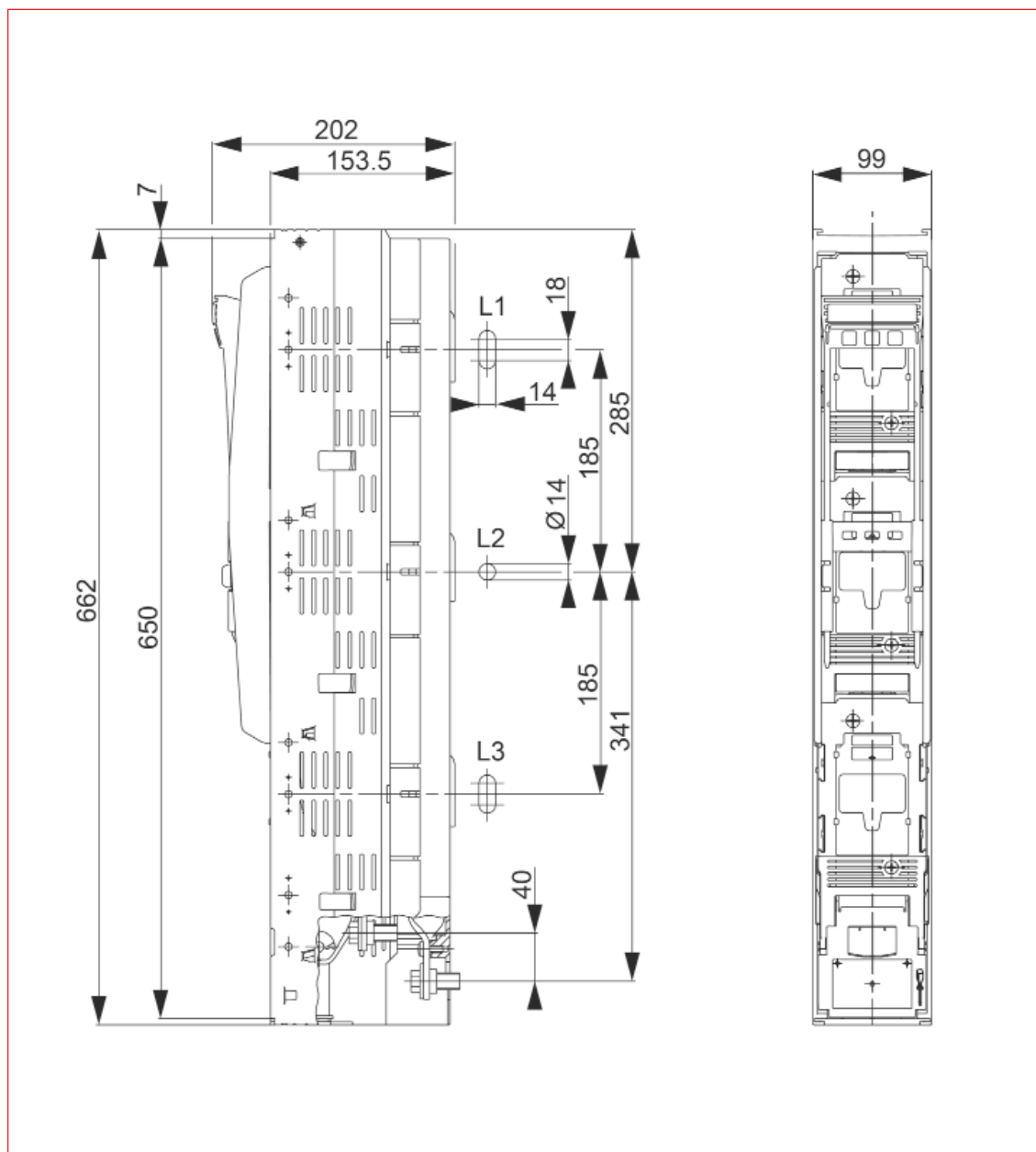
### ■ Schrack-Info

- 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

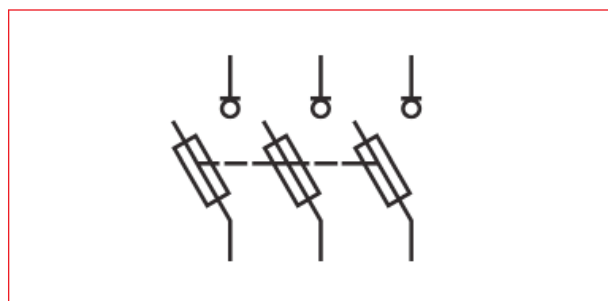
Size	NH1
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1
Rated operating voltage	690V
Rated operating current	250A
Current measurement	No
Conv. free air thermal current with fuse-links	250A
Conv. free air thermal current with solid links	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-circuit 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 <sup>2</sup>
	Tightening torque 30-35Nm
Cable terminal ISA05305	V-box terminal
	Clamping cross-section 25-240mm <sup>2</sup>
	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		<b>ISA05305</b>
Size 1, 3-pole, 250A, with V-terminal		<b>ISA05306</b>

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



ISA05311

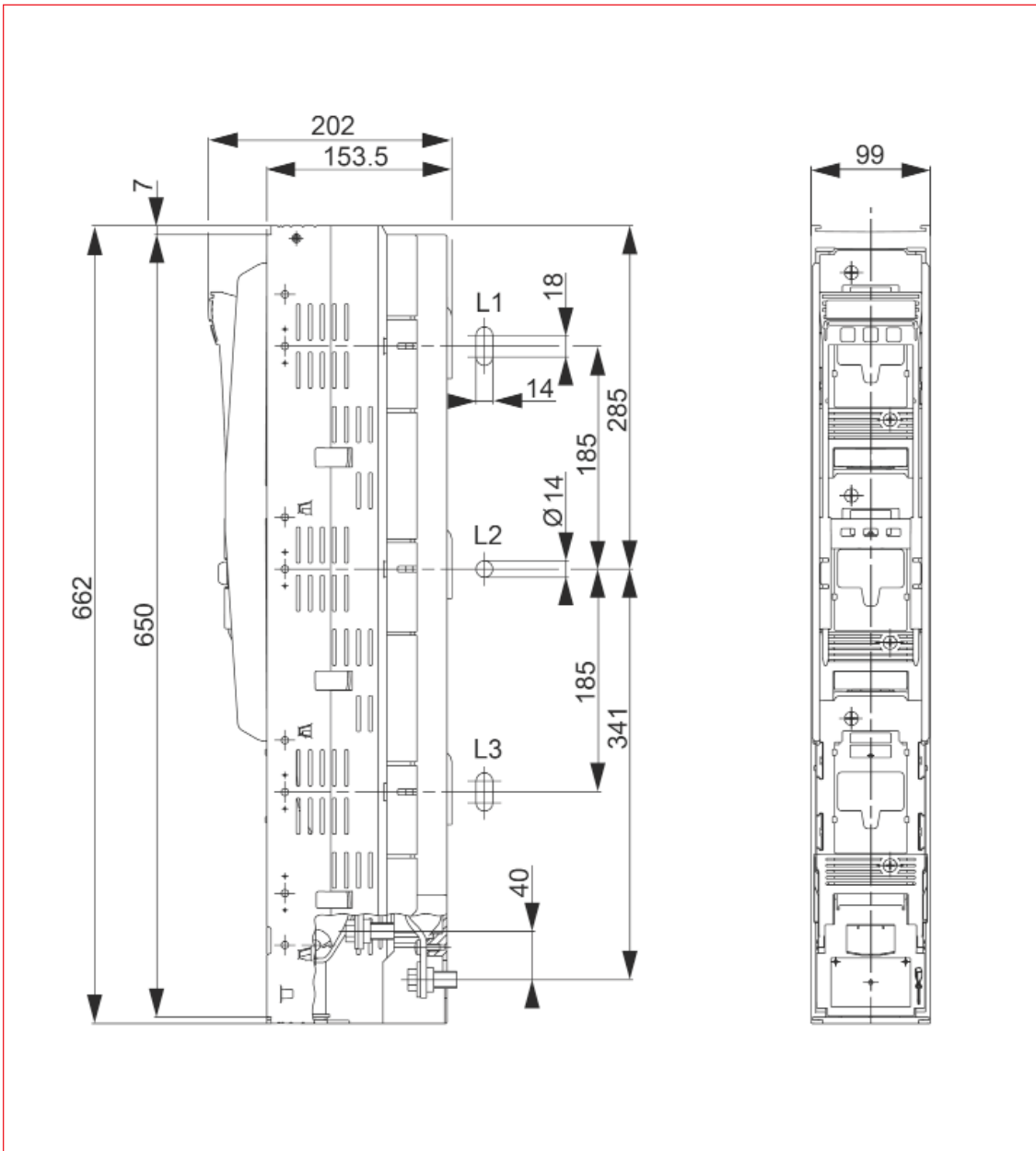
### ■ Schrack-Info

- 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

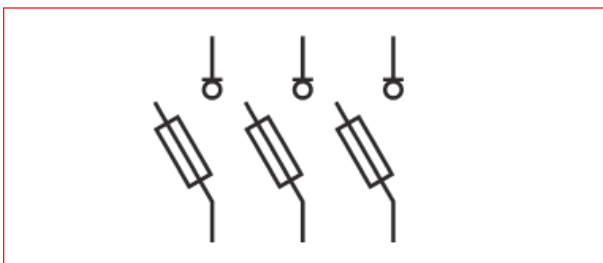
Size	NH2
Standard	IEC/EN 60947-3
Busbar distance	185mm
Poles	3
Switching mode	3pole switchable
Applicable for fuse-links	NH1 and NH2
Rated operating voltage	690V
Rated operating current	400A
Current measurement	No
Conv. free air thermal current with fuse-links	400A
Conv. free air thermal current with 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 Ith (without fuse-link)	54W
Utilisation category	AC-21B (400A/690V)
	AC-22B (400A/500V)
	AC-23B (400A/400V)
Rated conditional short-circuit 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 M12
	Cable lug (DIN 46 235) 1 x 25-240mm <sup>2</sup>
	Tightening torque 30-35Nm
Cable terminal ISA05312	V-box terminal
	Clamping cross-section 25-240mm <sup>2</sup>
	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		<b>ISA05311</b>
Size 2, 3-pole, 400A, with V-terminal		<b>ISA05312</b>
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



ISA05320

### ■ Schrack-Info

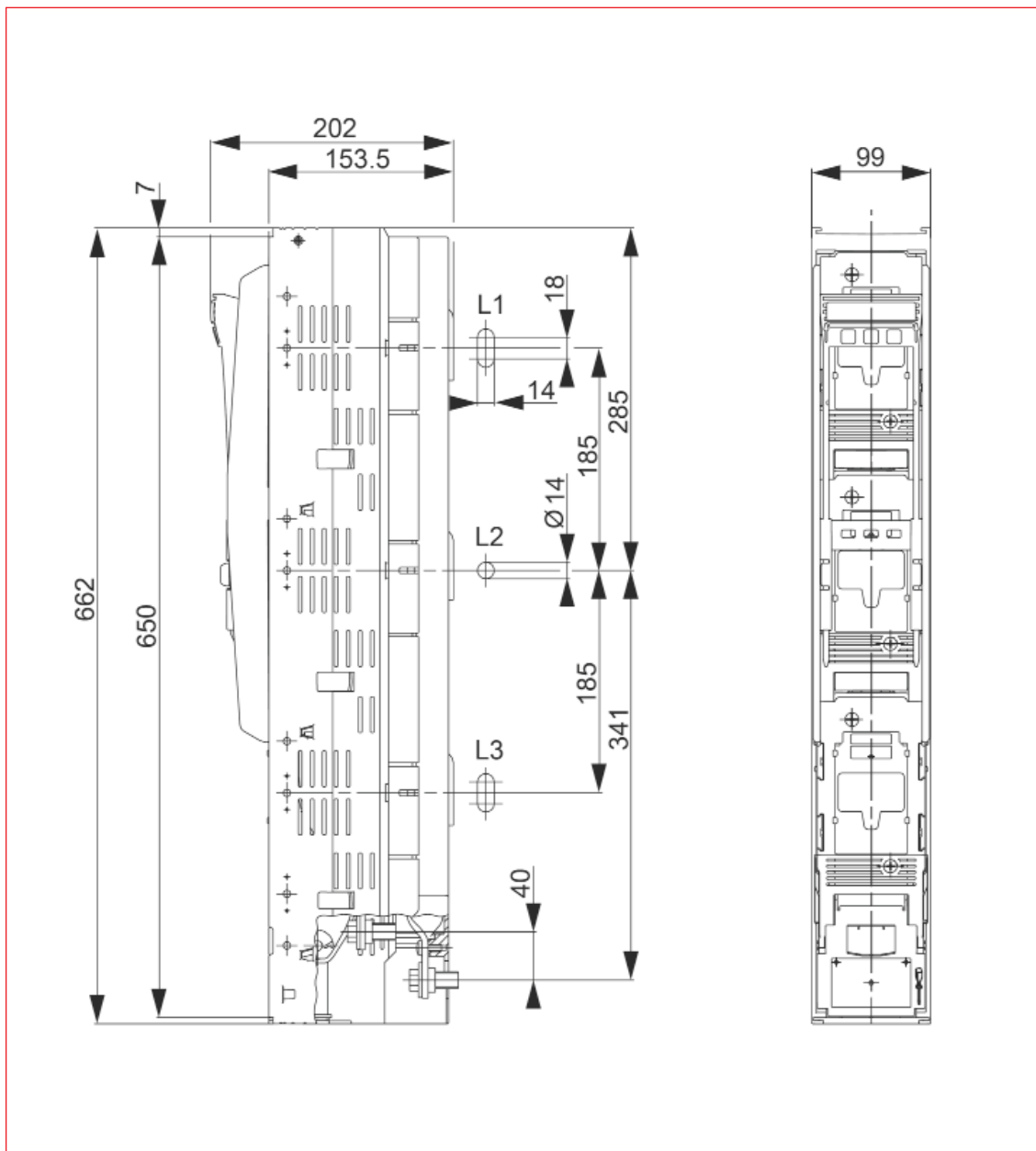
- NH-strip-type fuse-switch-disconnector for 185mm busbar-system
- With cable connection at bottom side, optional at top side
- Width 50mm
- All parts of LSL made from halogenfree, self-extinguishing material
- Base part as carrier of current carrying components made from glassfibre reinforced polyester
- 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-circuit 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 25-300mm <sup>2</sup> (max. 43mm width)
	Tightening torque 35-40Nm
Cable terminal ISA05321	V box terminal
	Clamping cross-section 25-240mm <sup>2</sup>
	Conductor Cu/Al re/se, Cu am/rm
	Tightening torque 32Nm

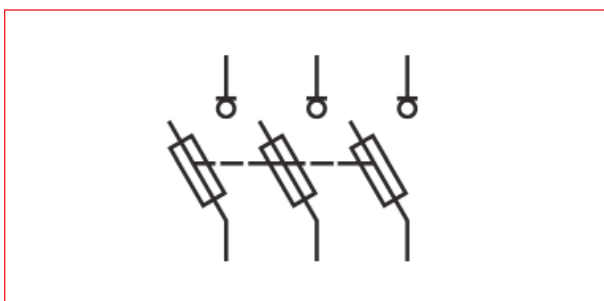


■ HRC-inline-fuse load-breaker size 3 (630A), for 185mm system, series ARROW II

■ ISA05320 Dimensions

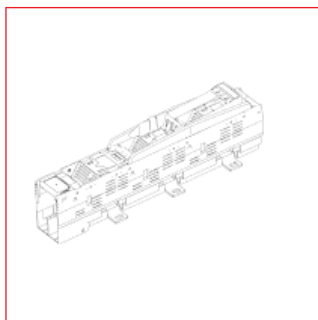


■ ISA05320 / ISA05321 Wiring diagram



DESCRIPTION	AVAILABLE	ORDER NO.
Size3, 3-pole, 630A, M12		<b>ISA05320</b>
Size3, 3-pole, 630A, with V-terminal		<b>ISA05321</b>
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



ISA05331

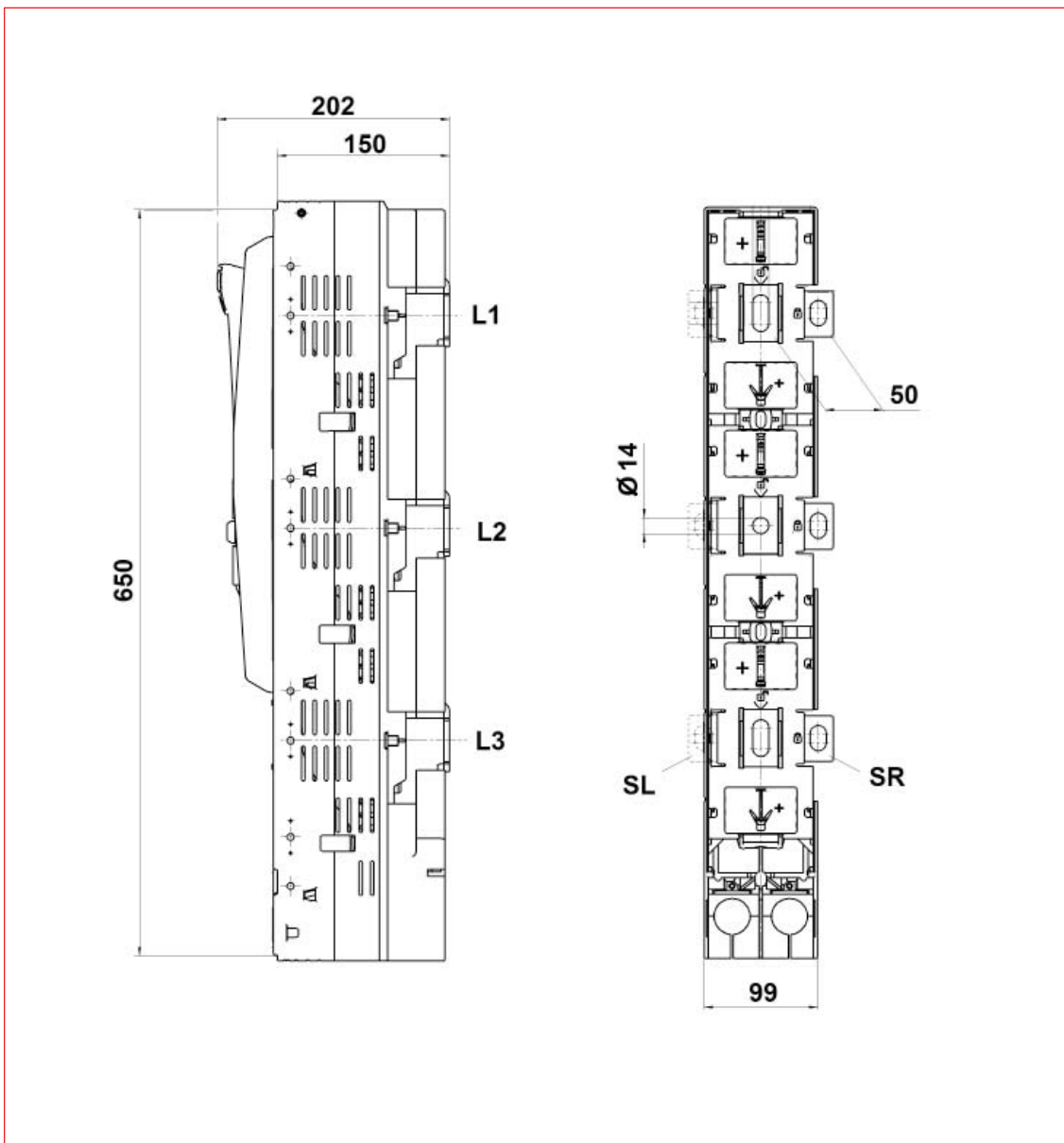
### ■ Schrack-Info

- 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-circuit interlock
- With access points for safety voltage measurement on the fuse-holding contact

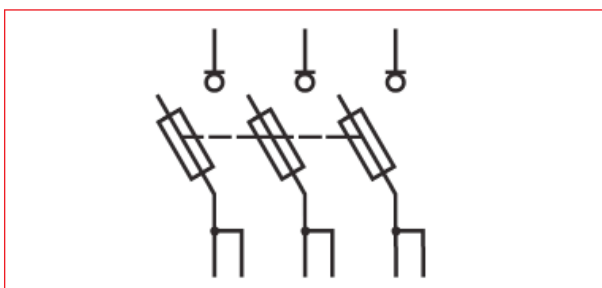
Size	NH3
Product Lifecycle	Active product
Standard	IEC/EN60947-3
Special features	Busbar coupler
	ISA05330: Terminal at left side with screw M12
	ISA05331: Terminal at right side with screw M12
Rated operating current	630A
Size	NH3
Busbar distance	185mm
Rated operating voltage	690V
Conv. free air thermal current with fuse-links	630A
Rated conditional short-circuit 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



# Busbar-system 60mm, series ARROW

## Accessories for ARROW LINE series ARROW II



ISA05334





ISA05730



ISA05329

### Schrack-Info

- 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.		<b>ISA05333</b>
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 - 240mm <sup>2</sup>		<b>ISA05730</b>
Adapterplate for L1 on ARROW LINE		ISA05729
Adjusting cover for ARROW II size 00 (1 pck = 2 pcs)		<b>ISA05329</b>
Cover cap for top or bottom terminal ARROW II 1-3		<b>ISA05334</b>