



Catalog

The new AX contactor range  
Control made simple  
The performance you need

Power and productivity  
for a better world™



# The new AX contactor range

## Product overview

The new contactor range is designed to provide the performance and features that are required, in a compact and modern design. Control made simple – The performance you need.

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### Common applications

- HVAC
- Pumps
- Compressors
- Paper industry
- Packaging machines
- Mining
- General Machinery
- Switchgear panels
- Elevator and escalators
- Building
- Lighting control
- Moulding machines
- Power supply solutions

### Standards

- IEC 60947-1
- IEC 60947-4-1
- IEC 60947-5-1

### Technical data

- Rated current (Ie): 9 ... 370 A
- Motor rated power (Pe): 4 ... 200 kW (400V AC-3)
- 3 poles
- AC control
- Width from 44mm (9 A) to 145mm (370 A)
- Ambient temperature up to 70°C

### Accessories

- Auxiliary contacts front and side mounted
- Mechanical and electrical interlocks
- Timers
- Surge suppressors
- Terminal shrouds, enlargements and extensions
- Connection kits

### Overload relays

- Thermal overload relays
- Electronic overload relays (class 10, 20 and 30)

### Manual motor starters

- With thermal and magnetic protection
- With magnetic protection only

# AX09 ... AX25 3-pole contactors

## 4 to 11 kW

### AC operated



AX09 ... AX25

#### Description

AX09 ... AX25 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and 1 built-in auxiliary contact
- control circuit: AC operated
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details

IEC		Rated control circuit voltage U <sub>c</sub> (1)		Auxiliary contacts fitted		Type	Order code	Weight		
Rated operational power	Rated operational current	V 50 Hz	V 60 Hz	Y	Y			Pkg (1 pce)		
400 V	θ ≤ 40 °C							kg		
AC-3	AC-1									
kW	A									
4	22	24	24	1	0	AX09-30-10-81	1SBL901074R8110	0.340		
				0	1	AX09-30-01-81	1SBL901074R8101	0.340		
		110	110...120	1	0	AX09-30-10-84	1SBL901074R8410	0.340		
				0	1	AX09-30-01-84	1SBL901074R8401	0.340		
		220...230	230...240	1	0	AX09-30-10-80	1SBL901074R8010	0.340		
				0	1	AX09-30-01-80	1SBL901074R8001	0.340		
		230...240	240...260	1	0	AX09-30-10-88	1SBL901074R8810	0.340		
				0	1	AX09-30-01-88	1SBL901074R8801	0.340		
		400...415	415...440	1	0	AX09-30-10-86	1SBL901074R8610	0.340		
				0	1	AX09-30-01-86	1SBL901074R8601	0.340		
		5.5	25	24	24	1	0	AX12-30-10-81	1SBL911074R8110	0.340
						0	1	AX12-30-01-81	1SBL911074R8101	0.340
110	110...120			1	0	AX12-30-10-84	1SBL911074R8410	0.340		
				0	1	AX12-30-01-84	1SBL911074R8401	0.340		
220...230	230...240			1	0	AX12-30-10-80	1SBL911074R8010	0.340		
				0	1	AX12-30-01-80	1SBL911074R8001	0.340		
230...240	240...260			1	0	AX12-30-10-88	1SBL911074R8810	0.340		
				0	1	AX12-30-01-88	1SBL911074R8801	0.340		
400...415	415...440			1	0	AX12-30-10-86	1SBL911074R8610	0.340		
				0	1	AX12-30-01-86	1SBL911074R8601	0.340		
7.5	27			24	24	1	0	AX18-30-10-81	1SBL921074R8110	0.340
						0	1	AX18-30-01-81	1SBL921074R8101	0.340
		110	110...120	1	0	AX18-30-10-84	1SBL921074R8410	0.340		
				0	1	AX18-30-01-84	1SBL921074R8401	0.340		
		220...230	230...240	1	0	AX18-30-10-80	1SBL921074R8010	0.340		
				0	1	AX18-30-01-80	1SBL921074R8001	0.340		
		230...240	240...260	1	0	AX18-30-10-88	1SBL921074R8810	0.340		
				0	1	AX18-30-01-88	1SBL921074R8801	0.340		
		400...415	415...440	1	0	AX18-30-10-86	1SBL921074R8610	0.340		
				0	1	AX18-30-01-86	1SBL921074R8601	0.340		
		11	32	24	24	1	0	AX25-30-10-81	1SBL931074R8110	0.340
						0	1	AX25-30-01-81	1SBL931074R8101	0.340
110	110...120			1	0	AX25-30-10-84	1SBL931074R8410	0.340		
				0	1	AX25-30-01-84	1SBL931074R8401	0.340		
220...230	230...240			1	0	AX25-30-10-80	1SBL931074R8010	0.340		
				0	1	AX25-30-01-80	1SBL931074R8001	0.340		
230...240	240...260			1	0	AX25-30-10-88	1SBL931074R8810	0.340		
				0	1	AX25-30-01-88	1SBL931074R8801	0.340		
400...415	415...440			1	0	AX25-30-10-86	1SBL931074R8610	0.340		
				0	1	AX25-30-01-86	1SBL931074R8601	0.340		

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# AX32, AX40 3-pole contactors

## 15 to 18.5 kW

### AC operated

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AX32, AX40

#### Description

AX32, AX40 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and 1 built-in auxiliary contact
- control circuit: AC operated
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details

IEC Rated operational power 400 V AC-3 kW	Rated operational current $\theta \leq 40^\circ\text{C}$ AC-1 A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted Y Y	Type	Order code	Weight Pkg (1 pce) kg			
		V 50 Hz	V 60 Hz							
15	55	24	24	1 0	AX32-30-10-81	1SBL281074R8110	0.71			
				0 1	AX32-30-01-81	1SBL281074R8101	0.71			
			110	110...120	1 0	AX32-30-10-84	1SBL281074R8410	0.71		
					0 1	AX32-30-01-84	1SBL281074R8401	0.71		
			220...230	230...240	1 0	AX32-30-10-80	1SBL281074R8010	0.71		
					0 1	AX32-30-01-80	1SBL281074R8001	0.71		
		230...240	240...260	1 0	AX32-30-10-88	1SBL281074R8810	0.71			
				0 1	AX32-30-01-88	1SBL281074R8801	0.71			
		18.5	60	24	24	1 0	AX40-30-10-81	1SBL321074R8110	0.71	
						0 1	AX40-30-01-81	1SBL321074R8101	0.71	
					110	110...120	1 0	AX40-30-10-84	1SBL321074R8410	0.71
							0 1	AX40-30-01-84	1SBL321074R8401	0.71
220...230	230...240				1 0	AX40-30-10-80	1SBL321074R8010	0.71		
					0 1	AX40-30-01-80	1SBL321074R8001	0.71		
230...240	240...260	1 0	AX40-30-10-88	1SBL321074R8810	0.71					
		0 1	AX40-30-01-88	1SBL321074R8801	0.71					
400...415	415...440	1 0	AX40-30-10-86	1SBL321074R8610	0.71					
		0 1	AX40-30-01-86	1SBL321074R8601	0.71					

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# AX50 ... AX80 3-pole contactors

## 22 to 37 kW

### AC operated



AX50 ... AX80

#### Description

AX50 ... AX80 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles
- control circuit: AC operated
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details (without auxiliary block)

IEC Rated operational power 400 V AC-3 kW	Rated operational current $\theta \leq 40^\circ\text{C}$ AC-1 A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted Y Y	Type	Order code	Weight  Pkg (1 pce)  kg
		V 50 Hz	V 60 Hz				
22	100	24	24	0 0	AX50-30-00-81	1SBL351074R8100	1.12
		110	110...120	0 0	AX50-30-00-84	1SBL351074R8400	1.12
		220...230	230...240	0 0	AX50-30-00-80	1SBL351074R8000	1.12
		230...240	240...260	0 0	AX50-30-00-88	1SBL351074R8800	1.12
		400...415	415...440	0 0	AX50-30-00-86	1SBL351074R8600	1.12
30	115	24	24	0 0	AX65-30-00-81	1SBL371074R8100	1.12
		110	110...120	0 0	AX65-30-00-84	1SBL371074R8400	1.12
		220...230	230...240	0 0	AX65-30-00-80	1SBL371074R8000	1.12
		230...240	240...260	0 0	AX65-30-00-88	1SBL371074R8800	1.12
		400...415	415...440	0 0	AX65-30-00-86	1SBL371074R8600	1.12
37	125	24	24	0 0	AX80-30-00-81	1SBL411074R8100	1.12
		110	110...120	0 0	AX80-30-00-84	1SBL411074R8400	1.12
		220...230	230...240	0 0	AX80-30-00-80	1SBL411074R8000	1.12
		230...240	240...260	0 0	AX80-30-00-88	1SBL411074R8800	1.12
		400...415	415...440	0 0	AX80-30-00-86	1SBL411074R8600	1.12

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# AX50 ... AX80 3-pole contactors

## 22 to 37 kW

### AC operated

2



AX50 ... AX80

#### Description

AX50 ... AX80 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and side mounted auxiliary contact block
- control circuit: AC operated
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details

IEC Rated operational power 400 V AC-3 kW	Rated operational current $\theta \leq 40^\circ\text{C}$ AC-1 A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted Y Y	Type	Order code	Weight kg
		V 50 Hz	V 60 Hz				
22	100	24	24	1 1	AX50-30-11-81	1SBL351074R8111	1.16
		110	110...120	1 1	AX50-30-11-84	1SBL351074R8411	1.16
		220...230	230...240	1 1	AX50-30-11-80	1SBL351074R8011	1.16
		230...240	240...260	1 1	AX50-30-11-88	1SBL351074R8811	1.16
		400...415	415...440	1 1	AX50-30-11-86	1SBL351074R8611	1.16
30	115	24	24	1 1	AX65-30-11-81	1SBL371074R8111	1.16
		110	110...120	1 1	AX65-30-11-84	1SBL371074R8411	1.16
		220...230	230...240	1 1	AX65-30-11-80	1SBL371074R8011	1.16
		230...240	240...260	1 1	AX65-30-11-88	1SBL371074R8811	1.16
		400...415	415...440	1 1	AX65-30-11-86	1SBL371074R8611	1.16
37	125	24	24	1 1	AX80-30-11-81	1SBL411074R8111	1.16
		110	110...120	1 1	AX80-30-11-84	1SBL411074R8411	1.16
		220...230	230...240	1 1	AX80-30-11-80	1SBL411074R8011	1.16
		230...240	240...260	1 1	AX80-30-11-88	1SBL411074R8811	1.16
		400...415	415...440	1 1	AX80-30-11-86	1SBL411074R8611	1.16

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# AX95 ... AX150 3-pole contactors

## 45 to 75 kW

### AC operated



AX95 ... AX150

#### Description

AX95 ... AX150 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and side mounted auxiliary contact block
- control circuit: AC operated
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details

IEC Rated operational power 400 V AC-3 kW	Rated operational current $\theta \leq 40^\circ\text{C}$ AC-1 A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted Y Y	Type	Order code	Weight  Pkg (1 pce)  kg
		V 50 Hz	V 60 Hz				
45	145	24	24	1 1	AX95-30-11-81	1SFL431074R8111	2.08
		110	110...120	1 1	AX95-30-11-84	1SFL431074R8411	2.08
		220...230	230...240	1 1	AX95-30-11-80	1SFL431074R8011	2.08
		230...240	240...260	1 1	AX95-30-11-88	1SFL431074R8811	2.08
		400...415	415...440	1 1	AX95-30-11-86	1SFL431074R8611	2.08
55	160	24	24	1 1	AX115-30-11-81	1SFL981074R8111	2.08
		110	110...120	1 1	AX115-30-11-84	1SFL981074R8411	2.08
		220...230	230...240	1 1	AX115-30-11-80	1SFL981074R8011	2.08
		230...240	240...260	1 1	AX115-30-11-88	1SFL981074R8811	2.08
		400...415	415...440	1 1	AX115-30-11-86	1SFL981074R8611	2.08
75	190	24	24	1 1	AX150-30-11-81	1SFL991074R8111	2.08
		110	110...120	1 1	AX150-30-11-84	1SFL991074R8411	2.08
		220...230	230...240	1 1	AX150-30-11-80	1SFL991074R8011	2.08
		230...240	240...260	1 1	AX150-30-11-88	1SFL991074R8811	2.08
		400...415	415...440	1 1	AX150-30-11-86	1SFL991074R8611	2.08

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# AX185, AX205 3-pole contactors

## 90 to 110 kW

### AC operated

2



AX185, AX205

#### Description

AX185, AX205 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and side mounted auxiliary contact block
- control circuit: AC operated
- add-on auxiliary contact blocks for side mounting and a wide range of accessories.

#### Ordering details

IEC Rated operational power 400 V AC-3 kW	operational current $\theta \leq 40^\circ\text{C}$ AC-1 A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted Y Y	Type	Order code	Weight Pkg (1 pce) kg
		V 50 Hz	V 60 Hz				
90	250	24	24	1 1	AX185-30-11-81	1SFL491074R8111	3.80
		110	110...120	1 1	AX185-30-11-84	1SFL491074R8411	3.80
		220...230	230...240	1 1	AX185-30-11-80	1SFL491074R8011	3.80
		230...240	240...260	1 1	AX185-30-11-88	1SFL491074R8811	3.80
		400...415	415...440	1 1	AX185-30-11-86	1SFL491074R8611	3.80
110	275	24	24	1 1	AX205-30-11-81	1SFL501074R8111	3.80
		110	110...120	1 1	AX205-30-11-84	1SFL501074R8411	3.80
		220...230	230...240	1 1	AX205-30-11-80	1SFL501074R8011	3.80
		230...240	240...260	1 1	AX205-30-11-88	1SFL501074R8811	3.80
		400...415	415...440	1 1	AX205-30-11-86	1SFL501074R8611	3.80

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# AX260 ... AX370 3-pole contactors

## 132 to 200 kW

### AC operated



AX260 ... AX370

#### Description

AX260 ... AX370 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC.

These contactors are of the block type design with:

- 3 main poles and side mounted auxiliary contact block
- control circuit: AC operated
- add-on auxiliary contact blocks for side mounting and a wide range of accessories.

#### Ordering details

IEC		Rated control circuit voltage U <sub>c</sub> (1)		Auxiliary contacts fitted		Type	Order code	Weight
Rated operational power	Rated operational current							Pkg (1 pce)
400 V	$\theta \leq 40\text{ }^\circ\text{C}$							kg
AC-3	AC-1	V 50 Hz	V 60 Hz	Y	Y			
kW	A							
132	400	24	24	1	1	AX260-30-11-81	1SFL547074R8111	5.4
		110	110...120	1	1	AX260-30-11-84	1SFL547074R8411	5.4
		220...230	230...240	1	1	AX260-30-11-80	1SFL547074R8011	5.4
		230...240	240...260	1	1	AX260-30-11-88	1SFL547074R8811	5.4
		400...415	415...440	1	1	AX260-30-11-86	1SFL547074R8611	5.4
160	500	24	24	1	1	AX300-30-11-81	1SFL587074R8111	5.4
		110	110...120	1	1	AX300-30-11-84	1SFL587074R8411	5.4
		220...230	230...240	1	1	AX300-30-11-80	1SFL587074R8011	5.4
		230...240	240...260	1	1	AX300-30-11-88	1SFL587074R8811	5.4
		400...415	415...440	1	1	AX300-30-11-86	1SFL587074R8611	5.4
200	600	24	24	1	1	AX370-30-11-81	1SFL607074R8111	5.4
		110	110...120	1	1	AX370-30-11-84	1SFL607074R8411	5.4
		220...230	230...240	1	1	AX370-30-11-80	1SFL607074R8011	5.4
		230...240	240...260	1	1	AX370-30-11-88	1SFL607074R8811	5.4
		400...415	415...440	1	1	AX370-30-11-86	1SFL607074R8611	5.4

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