



11 SMX90 32



11 SMX90 50



11 LMZ111 - 11 LMZ112



11 LMZ113 - 11 LMZ114



11 LMZ105

11 LMZ106



11 LMNPE



23 NEON...V

Description	Catalog number	Price
		\$ each
Add-on auxiliary contacts. Side mount.		
1NO + 1NC	11 LMH 11	5.00
2NO	11 LMH 20	5.00
1NO	11 LMH 10	5.00
1NC	11 LMH 01	5.00
Undervoltage trip release.		
To fit inside starter	11 LMU ^①	41.00
Shunt trip release.		
To fit inside starter	11 LMA ^①	41.00
Terminal block for busbar supply.		
For all types	11 SMX90 50	21.00
Three-phase connection busbars 1 ³ / ₄ in (45mm) spacing.		
For 2 breakers without side-mount contacts	11 SMX90 32	18.00
For 3 breakers without side-mount contacts	11 SMX90 33	21.00
For 4 breakers without side-mount contacts	11 SMX90 34	24.00
For 5 breakers without side-mount contacts	11 SMX90 35	30.00
Three-phase connection busbars 2 ¹ / ₄ in (54mm) spacing.		
For 2 breakers complete with side-mount contacts	11 SMX90 42	18.00
For 3 breakers complete with side-mount contacts	11 SMX90 43	21.00
For 4 breakers complete with side-mount contacts	11 SMX90 44	24.00
For 5 breakers complete with side-mount contacts	11 SMX90 45	30.00
Surface mount enclosures.		
IP41. 3.1in (80mm) wide	11 LMZ 112	22.00
IP55. 3.1in (80mm) wide	11 LMZ 111	23.00
Flush mount enclosures.		
IP41. 3.3in (85mm) wide	11 LMZ 114	19.00
IP55. 3.3in (85mm) wide	11 LMZ 113	20.00
Accessories for enclosures.		
Locking mechanism.		
3 padlocks maximum	11 LMZ 105	14.00
Emergency stop button.		
For all types	11 LMZ 106	32.00
Neutral connection.		
For all types	11 LMN PE	14.00
Pilot light.		
Green	23 NEONV ^② V	7.00
Red	23 NEONR ^② V	7.00
Spare IP55 membrane complete with rim.		
For all types	11 LMM	4.00
Adapter for PG16 to M25 entry.		
For LMZ111 and LMZ112	11 LM M25PG16	4.00

① Complete with required voltage and frequency. Available voltages: 24, 48, 110, 220 for 220/240, 380 for 380/415, 440 for 440/460, 480, 575VAC.
② Indicate required voltage value as follows: 24, 110 for 110/120 or 230VAC.

General and operational characteristics

ADD-ON AUXILIARY CONTACTS

- Connectable to right or left side of starter
- Maximum combination: 4 auxiliary contacts
- Rated insulation voltage Ui: 500V
- Rated thermal current Ith: 6A
- Operational current AC15: 3.5A 230V; 2A 400V
- Protection fuse (gL or gG): 6A max
- Conductor cross section connectable (1 or 2 wires) min/max: 0.75-2.5mm² or AWG 18/14
- Width of the auxiliary contacts LMH equal to 0.5 standard DIN43880 modules.

UNDervoltage AND SHUNT TRIP RELEASES

- Must be fitted inside the motor starter.

	Undervoltage	Shunt
Rated frequency	50 or 60Hz	50 or 60Hz
Release range	0.35-0.7 Us	—
Operating range	0.85-1.1 Us	0.7-1.1 Us
On-load factor	100%	—

THREE-PHASE CONNECTION BUSBAR

- I_{max} 63A
- SMX90 3... 1³/₄in (45mm) spacing to reduce the width to the minimum
- SMX90 4... 2¹/₄in (54mm) spacing to consent to fit one side-mount auxiliary contact block on the starter
- Conductor cross section connectable to terminal block for busbar supply min/max: 4/25mm² or AWG 10/4.

TERMINAL BLOCK FOR BAR SUPPLY

- I_{max} 63A
- Conductor cross section connectable min/max: 4/25mm² or AWG 10/4.

SURFACE MOUNT ENCLOSURE

- Top or bottom entry:
 - M25 threaded knockouts
- Rear entry:
 - 0.6in (15.5mm) knockouts
- Up to two auxiliary contact blocks may be mounted
- Ground terminal included.

FLUSH MOUNT ENCLOSURE

- Window size 2.8x4.5in (70x115mm)
- Up to two auxiliary contact blocks may be mounted
- Ground terminal included.

ACCESSORIES FOR ENCLOSURES

Locking mechanism:

- Prevents closing operation; 3 padlocks maximum.

Emergency stop button:

- Turn to release
- Red push-button Ø 1.4in (35mm)

NOTE: Once mounted on the enclosure, these accessories raise the degree of protection from IP41 to IP55.

Certifications and compliance

UL listed for USA and Canada, file E155982 for contacts and releases.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1.