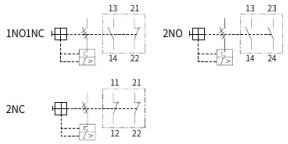
AU-FX / AU-LX — Auxiliary Contacts for MMS Manual Motor Starters

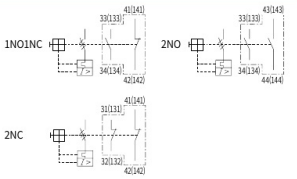
Accessories

Auxiliary contact

FX
Auxiliary switch

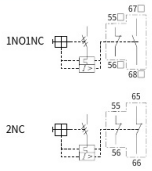
Picture	Description	Connection diagram
	• Front mounting • 2-pole • One front mounting module per circuit breaker	

LX
Auxiliary switch

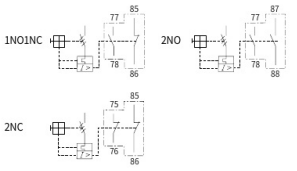
Picture	Description	Connection diagram
	• Side mounting on the left • 2-pole • One side mounting module per circuit breaker	

Alarm contact

LA
Any trip alarm switch
32FA, 63/100AF

Picture	Description	Connection diagram
	• Operates in case of trip • Side mounting on the left • 2-pole • Set LA first in case of using LX together (MMS-63 cannot accept LX and LA together)	

LAM
Magnetic trip alarm switch

Picture	Description	Connection diagram
	• Short circuit trip only action • Side mounting on the left • 2-pole • Set LAM first in case of using LX together	

Auxiliaries

Contents			Auxiliary contacts for front mounting FX		Auxiliary contacts for front mounting LX		Alarm switch for left side mounting LA	
Rated thermal current / th								
at 40°C ambient temperature		[A]	5		10		10	
at 60°C ambient temperature		[A]	3		6		6	
Contact class coordination								
according to NEMA		AC	A 300		A 600		A 600	
(UL/CSA standards)		DC	R 300		Q 300		Q 300	
Back-up fuses gG, gL		[A]	16		16		16	
Rated supply		[V]	-	240	24	240	24	240
current	C-15	[A]	-	3	6	4	6	4
	DC-13:	[V]	24	220	24	220	24	220
		[A]	1	0.1	2	0.25	2	0.25
Weight (g)			18		30		40	
Terminal parts								
Wire					Pozidriv size 2			
Single-core	1 conductor	[㎟] / [AWG	0.5...2.5 / 20...14		0.5...2.5 / 20...14			
	2 conductor	[㎟] / [AWG	-		0.5...2.5 / 20...14			
Stranded	1 conductor	[㎟] / [AWG	0.5...4 / 20...10		0.5...4 / 20...10			
	2 conductor	[㎟] / [AWG	0.75...2.5 / 18...14		0.75...2.5 / 18...14			
Tightening torque		[Nm] / [lb-in]	0.8...1.2 / 7...10		0.8...1.2 / 7...10			

Contents			Shunt release for right side mounting RS	Undervoltage release for right side mounting RU	Undervoltage release with 2 auxiliary contacts for right side mounting RUX
Actuating voltage(V)					
Pull-in			0.85...1.1×Us	0.7...1.1×Us	0.85...1.1×Us
Drop-out			0.7...0.35×Us		0.7...0.35×Us
Rated control voltage(V)					
min.:			24V 50Hz / 28V 60Hz	24V 50Hz / 28V 60Hz	24V 50Hz / 28V 60Hz
max.:			415~440V 50Hz / 460~480V 60Hz	415~440V 50Hz / 460~480V 60Hz	415~440V 50Hz / 460~480V 60Hz
Coil rating(W)					
Pull-in			8.5VA, 6W	8.5VA, 6W	8.5VA, 6W
Hold			3VA, 1.2W	3VA, 1.2W	3VA, 1.2W
Opening time (ms)			20	-	20
Weight (g)			120	110	110
Terminal parts					
Wire				Pozidriv size 2	
Single-core	1 conductor	[㎟] / [AWG]		0.5...2.5 / 20...14	
	2 conductor	[㎟] / [AWG]		0.5...2.5 / 20...14	
Stranded	1 conductor	[㎟] / [AWG]		0.5...4 / 20...10	
	2 conductor	[㎟] / [AWG]		0.75...2.5 / 18...14	
Tightening torque		[Nm] / [lb-in]		0.8...1.2 / 7...10	

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