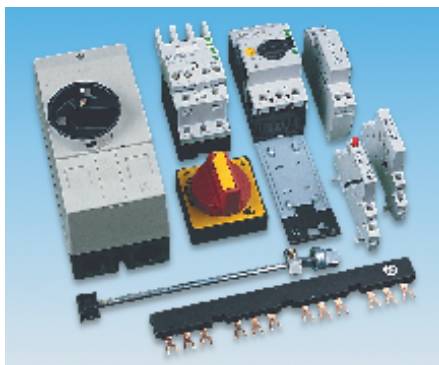


	Order Code
Accessories	716-7970
P25M limiter block	716-7982
F+F contact	716-7994
O+F contact	716-8007
F+SD.F contact	716-8019
O+SD.F contact	716-8020
F+SD.O contact	716-8032
O+SD.O contact	716-8044
MX shunt trip 220/240V ac	716-8056
MX shunt trip 380/415V ac	716-8068
MN undervoltage release 220/240V ac	716-8070
MN undervoltage release 380/415V ac	716-8081
IP55 closure	716-8093
Incoming supply connector block (Max. 25mm cable)	716-8100
Two x P25M comb busbar	716-8111
Four x P25M comb busbar	716-8123
Upstream connector block	716-8135
Comb busbar endcover (pack of 5)	

PR0239

Rating amps	Mfrs. List No.	Order Code	Price Each				
			1+	5+	10+	25+	50+
0.10 - 0.16	21100	<b>716-7830</b>					
0.16 - 0.25	21101	<b>716-7842</b>					
0.25 - 0.40	21102	<b>716-7854</b>					
0.40 - 0.63	21103	<b>716-7866</b>					
0.63 - 1.00	21104	<b>716-7878</b>					
1.00 - 1.60	21105	<b>716-7880</b>					
1.60 - 2.50	21106	<b>716-7891</b>					
2.50 - 4.00	21107	<b>716-7908</b>					
4.00-6.30	21108	<b>716-7910</b>					
6.00 - 10.0	21109	<b>716-7921</b>					
9.00 - 14.0	21110	<b>716-7933</b>					
13.0 - 18.0	21111	<b>716-7945</b>					
17.0 - 23.0	21112	<b>716-7957</b>					
20.0 - 25.0	21113	<b>716-7969</b>					
<b>Accessories</b>							
P25M lim bl	21115	<b>716-7970</b>					
F+F cntct	21116	<b>716-7982</b>					
O+F cntct	21117	<b>716-7994</b>					
F+SD.F cntct	21118	<b>716-8007</b>					
O+SD.F cntct	21119	<b>716-8019</b>					
F+SD.O cntct	21120	<b>716-8020</b>					
O+SD.O cntct	21121	<b>716-8032</b>					
MX S. T.	21127	<b>716-8044</b>					
MX S. T.	21128	<b>716-8056</b>					
MN Uv rel.	21129	<b>716-8068</b>					
MN Uv rel.	21130	<b>716-8070</b>					
IP55 enc.	21133	<b>716-8081</b>					
Con. block	21144	<b>716-8093</b>					
Busbar	21145	<b>716-8100</b>					
Busbar	21146	<b>716-8111</b>					
Con. block	21147	<b>716-8123</b>					
End cover	21148	<b>716-8135</b>					

## Motor Circuit Protection – ‘PKZO’



The PKZO range comprises of a motor protective circuit breaker (MPCB) with add-on contactors which together form a complete motor starter combination. They include the following features in one compact unit and provide an easy way of achieving Type 1 and Type 2 co-ordination at 100KA without using fuses.

Features include:

- Main switch disconnection to **IEC (EN60) 947-3**.
- Short-circuit, overload and single phasing protection.
- Contactors include 1 NO and 1 NC auxiliary contacts.
- No wiring needed between circuit breaker and contactor.
- Installation time reduced by up to 50%.
- Approvals include **IEC947, CSA** and **UL**.

Overload Range (A)	Rating kW	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	15+
<b>Circuit Breaker</b>							
0.25 to 0.4	0.09	PKZMO-0.4	<b>677-012</b>				
0.4 to 0.63	0.12	PKZMO-0.63	<b>677-024</b>				
0.63 to 1.0	0.25	PKZMO-1	<b>677-036</b>				
1.0 to 1.6	0.55	PKZMO-1.6	<b>677-048</b>				
1.6 to 2.5	0.75	PKZMO-2.5	<b>677-050</b>				
2.5 to 4.0	1.5	PKZMO-4.0	<b>677-061</b>				
4.0 to 6.3	2.2	PKZMO-6.3	<b>677-073</b>				
6.3 to 10	4.0	PKZMO-10	<b>677-085</b>				
10 to 16	7.5	PKZMO-16	<b>677-097</b>				
16 to 20	9.0	PKZMO-20	<b>677-103</b>				
20 to 25	11.0	PKZMO-25	<b>677-115</b>				
Coil V ac @ 50Hz							

### Contactor – Type 1 Co-ordination

8.5A, 4KW (AC3)						
24	SE00-11-24V50HZ	<b>677-164</b>				
110	SE00-11-110V50HZ	<b>677-176</b>				
230	SE00-11-240V50HZ	<b>677-188</b>				

### Contactor – Type 2 Co-ordination

8.5A, 4KW (AC3)						
24	S00-11-24V50HZ	<b>677-190</b>				
110	S00-11-110V50HZ	<b>677-206</b>				
230	S00-11-240V50HZ	<b>677-218</b>				

## Auxiliary Contacts and Undervoltage Trip ‘PKZO’

- Standard auxiliary contacts operate with the ON/OFF operation of the circuit breaker.
- Trip indicating auxiliary contacts operate only on overload, short circuit or undervoltage.
- Undervoltage trip operates on either low voltage detection or supply failure (manual reset).

CTL202

Standard	Mfrs. List No.	Order Code	Price Each			
			1+	5+	10+	15+
<b>Standard</b>						
1 NO + 1 NC	NHI11-PKZO	<b>677-127</b>				
2 NO + 2 NC	NHI21-PKZO	<b>677-231</b>				
<b>Bottom Mounting</b>						
1 NO + 7 NC	NHI1-E-PKZO	<b>722-0560</b>				
<b>Trip Indicating</b>						
2 NO	AGM2-10PKZO	<b>677-220</b>				
<b>Undervoltage Trip</b>						
230V 50Hz	U-PKZO-230V	<b>677-139</b>				
415V 50Hz	U-PKZO-415V	<b>677-140</b>				

## Accessories ‘PKZO’



### Mechanical Interlock

- Snap fits between any pair of contactors.
- Prevents one contactor from closing if the other is already energised.

### Mounting Plate

- Used for fitting the circuit breaker and contactor onto a 35mm DIN rail.

### IP54 Enclosure

- Accepts one circuit breaker with undervoltage trip coil and a standard/trip indicating auxiliary contact for use as a manual motor starter.

### Door Coupling Handle

- Allows the starter to be operated externally.
- Front protected to **IP65**.
- Padlockable with up to 3 padlocks.
- Uses extension shaft (677-279) cut to length.

### Current Limiter

- For use with PKZMO-16, 22 and 25A to increase switching capacity to avoid using fuses
- 63A continuous current rating
- Can be used with one PKZMO or several via the Busbar commoning links

### Busbars

- For commoning up to four circuit breakers with either one or two auxiliary contacts.
- Busbar feeder terminal accommodates conductors up to 25mm<sup>2</sup>.

CTL203

	Mfrs. List No.	Order Code	Price Each			
			1+	5+	10+	15+
Mechanical interlock	MV-PKZO	<b>677-243</b>				
Mounting plate	C-PKZO	<b>677-255</b>				
Enclosure	CI-PKZO-G	<b>677-152</b>				
Door handle	RH-PKZO	<b>677-267</b>				
Extension shaft	A-H-PKZO	<b>677-279</b>				
Current Limited	CL-PKZO	<b>722-0558</b>				
Basic Lockable Handle	AK-PKZO	<b>722-0571</b>				
<b>Busbar – For circuit breaker + 1 aux. contact</b>						
2 way	B3.1/2-PKZO	<b>677-280</b>				
3 way	B3.1/3-PKZO	<b>677-292</b>				
4 way	B3.1/4-PKZO	<b>677-309</b>				
5 way	B3.1/5-PKZO	<b>677-310</b>				
<b>Busbar – For circuit breaker + 2 aux. contact</b>						
2 way	B3.2/2-PKZO	<b>677-346</b>				
4 way	B3.2/4-PKZO	<b>677-358</b>				
Busbar feeder terminal	BK25/3-PKZO	<b>677-322</b>				

continued