

LOW VOLTAGE SWITCHGEAR & CONTROLGEAR PRODUCTS

**World Class Solutions
for Circuit Protection
and Controls**



With effect from 10th April, 2023



About **EAT•N**

Eaton is a global leading power management company headquartered in USA, serving customers across the world. Our proven technologies enable customers to generate more power using fewer resources, answering the demands of today's fast changing world. Eaton products and services provide the power inside thousands of products and projects – from energy efficient buildings, cities, infrastructure to next generation aircraft, cars, trucks and machines. Eaton is a Fortune 500 company recognized amongst the most admired firms in our industry.

Eaton Power Quality Private Limited, India, is a 100% subsidiary and a part of electrical sector of Eaton Corporation. We are catering to every industrial segment with versatile solutions which includes Switchgear: LV & MV Solutions, Fusegear: LV & MV solutions, UPSs and software solutions.

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✉ helpdeskelectrical@eaton.com

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Eaton's Product Range

Low Voltage Distribution Products

Air Circuit Breakers	PSL / IZM
Molded Case Circuit Breakers	PDC / NZM / BZMx
Disconnectors	P / PN
Mining Duty Breakers	
ATS	



Contactors

Mini Contactors & Control Relays	DILEM / DILEEM / DILER
Control Relays & Power Contactors	DILM / DILA / XTC
Vacuum Contactors	DILM / DILH /V201
4 Pole Contactors	DILMP
Capacitor Duty Contactors	DILK
DC Mill Duty Contactors	
DC Power Contactors	
Definite Purpose Contactors	



Overload Relays

Thermal Magnetic Overload Relay	ZB/ZE/ZEB
Motor Management Relay	Motor Insight, C440
Thermistor Based Overload Relays	EMT6



Motor Protection Circuit Breakers (MPCB)

MPCB with Push Button Control	PKZM01
MPCB with Rotary Handle Control	PKZM0
MPCB with Electronic Release	PKE



Low Voltage Control Products

Pilot Devices (22.5mm & 16mm)	RMQTitan (M22) / A22
Pilot Devices (30.5mm)	E30/E34/10250T
Foot & Palm Switch	FAK
Signal Towers	SL
Pressure Switches	MCS
Position Switches / Safety Switches ...	LS
Sensors	Inductive / Capacitive / Optical
Limit Switches	Precision / Mini / Metal / Metal-IP67 / Hazardous Applications



Eaton's Product Range

Cam Switches & Switch - Disconnectors

Cam Switches upto 132KW.....	T
Switch-Disconnector upto 110KW/315A	P
ATEX Rated Enclosures	T/P



Electronic Relays

Safety Relay	ESR5
Safety Control Relays	Easy Safety
Timing Relays	ETR2 / ETR4
Measuring & Monitoring Relays	EMR



Automation Products

Relays	Easy500/700/800
PLC's	XC / EC4
HMI/ HMI-PLC's	XVC
Smartwire Darwin Communication System	



Motor Starters

DOL / RDOL Starter upto 32A with PKZM0	
DOL / RDOL Starter upto 32A with PKE	
Soft Starters upto 900KW.....	S8014/S8114
Variable Speed Starter	DE1
Variable Speed Drive	DG1/DF1/DV1



Enclosures

IP65, Outdoor rated Polycarbonate Opaque/Transparent ...	CI /CI-K
MCB Individual Enclosure	AE...
MCCB / Switch Disconnector	MCCB...
Fuse Enclosure	RS..



Solar Products

Air Circuit Breakers upto 4000A, 690V/800V/1140V/1500V AC
Moulded Case Circuit Breakers upto 1600A, 800V/1000V AC
Miniature Circuit Breakers upto 63A, 500V DC/1000V DC
Disconnectors upto 60A, 1000V DC rated
Disconnectors, 160A - 1400A, 1500V DC rated
Fuse & Fuse Base, 1000V DC
Inverters upto 1MW
DC Combiner Boxes
AC Switchgear



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For prices of other products, please contact Eaton sales representative.

PSL Series Air Circuit Breaker



Confirms to IEC 60947-2
 Rated Voltage: 415V, 50Hz
 Icu=Ics=Icw(1sec)=55kA @ 415V AC
 Current Rating: from 800A to 4000A
 No derating upto 50°C for entire range
 ETU with display and LSIG protection as standard feature

Trip Units:

Mic 1.0: LSIG, LED Display with Current Monitoring
 Mic 2.0: LSIG, LCD Display with Current Monitoring
 Mic 5.0: LSIG, LCD Display with VAF + Energy Monitoring, MODBUS Communication

Microprocessor based trip unit Mic2.0 with LSIG protection and Current monitoring + LCD display

Draw-Out		3P				4P			
Frame	Ratings	Manual		Electrical		Manual		Electrical	
		Part No.	MRP.	Part No.	MRP.	Part No.	MRP.	Part No.	MRP.
I	800A	PSL5083MDMXXXA	245270	PSL5083MDAAAXA	293110	PSL5084MDMXXXA	301140	PSL5084MDAAAXA	348980
	1000A	PSL5103MDMXXXA	252990	PSL5103MDAAAXA	300840	PSL5104MDMXXXA	316650	PSL5104MDAAAXA	364490
	1250A	PSL5123MDMXXXA	278410	PSL5123MDAAAXA	326250	PSL5124MDMXXXA	349490	PSL5124MDAAAXA	397330
	1600A	PSL5163MDMXXXA	322320	PSL5163MDAAAXA	370160	PSL5164MDMXXXA	385650	PSL5164MDAAAXA	433490
	2000A	PSL5203MDMXXXA	413870	PSL5203MDAAAXA	462630	PSL5204MDMXXXA	512610	PSL5204MDAAAXA	561380
II	2500A	PSL5253MDMXXXA	*	PSL5253MDAAAXA	*	PSL5254MDMXXXA	*	PSL5254MDAAAXA	*
	3200A	PSL5323MDMXXXA	*	PSL5323MDAAAXA	*	PSL5324MDMXXXA	*	PSL5324MDAAAXA	*
	4000A	PSL5403MDMXXXA	*	PSL5403MDAAAXA	*	PSL5404MDMXXXA	*	PSL5404MDAAAXA	*

Fixed		3P				4P			
Frame	Ratings	Manual		Electrical		Manual		Electrical	
		Part No.	MRP.	Part No.	MRP.	Part No.	MRP.	Part No.	MRP.
I	800A	PSL5083MFMXXXA	191460	PSL5083MFAAAXA	239290	PSL5084MFMXXXA	237210	PSL5084MFAAAXA	285050
	1000A	PSL5103MFMXXXA	206430	PSL5103MFAAAXA	254270	PSL5104MFMXXXA	253790	PSL5104MFAAAXA	301630
	1250A	PSL5123MFMXXXA	231690	PSL5123MFAAAXA	279540	PSL5124MFMXXXA	286190	PSL5124MFAAAXA	334030
	1600A	PSL5163MFMXXXA	252060	PSL5163MFAAAXA	299900	PSL5164MFMXXXA	319890	PSL5164MFAAAXA	367730
	2000A	PSL5203MFMXXXA	316800	PSL5203MFAAAXA	365570	PSL5204MFMXXXA	416370	PSL5204MFAAAXA	465130
II	2500A	PSL5253MFMXXXA	*	PSL5253MFAAAXA	*	PSL5254MFMXXXA	*	PSL5254MFAAAXA	*
	3200A	PSL5323MFMXXXA	*	PSL5323MFAAAXA	*	PSL5324MFMXXXA	*	PSL5324MFAAAXA	*
	4000A	PSL5403MFMXXXA	*	PSL5403MFAAAXA	*	PSL5404MFMXXXA	*	PSL5404MFAAAXA	*

ACB	Price Change in MRP.	Part No digit 8 "M" to be changed to
with Mic 1.0 (Current Monitoring with LED Display)	Reduce 9500	"5" For example: 800A MDO ACB with Mic 2.0, PSL5083MDMXXXA with Mic 1.0, PSL5083SDMXXXA
with Mic 5.0 (LCD Display with Current, Voltage, Energy, Power and Harmonics Monitoring)	Add 19000	"1" For example: 800A MDO ACB with Mic 2.0, PSL5083MDMXXXA with Mic 5.0, PSL5083IDMXXXA


ACB part numbers mentioned above are with 4NO+4NC Aux contact, Door Frame, Phase Barrier, Standard Accessories included in Electrically operated ACB: 230V AC / 220V DC Motor Mechanism, 230V AC / 220V DC Shunt Release, 230V AC / 220V DC Closing Coil For any other accessory voltage rating part number please contact nearest Eaton Sales office.

* Prices shall be available on request

For 66kA ACBs, 690V requirement, 5000A and 6300A ratings please contact nearest Eaton Sales office.

w.e.f from 10th April 2023

Accessories

Product	Specification	Part Number	MRP.
 Motor Mechanism	24V DC	ETN-0020701039	34950
	110V DC	ETN-0020701040	
	220V DC	ETN-0020701070	
	230V AC / 220V DC	ETN-0020701002	
	400V AC	ETN-0020701041	
 Closing Coil	24V DC	ETN-0020701046	7260
	110V DC	ETN-0020701047	
	220V DC	ETN-0020701048	
	230V AC / 220V DC	ETN-0020701003	
	400V AC	ETN-0020701049	
 Shunt Trip Release	24V DC	ETN-0020701042	7260
	110V DC	ETN-0020701043	
	220V DC	ETN-0020701044	
	230V AC / 220V DC	ETN-0020701004	
	400V AC	ETN-0020701045	
 Undervoltage Release	230V AC	ETN-0020701007	9460
	400V AC	ETN-0020701053	
 Auxiliary Contact	4NO+4NC	ETN-0020701000	5110
	6NO+6NC	ETN-0020701054	7370
 Mechanical Interlock with Lock and Key	1 Lock 1 Key	ETN-353900418	6840
	2 Lock 1 Key	ETN-353900419	13400
	3 Lock 2 Key	ETN-353900420	19680
	3 Lock 1 Key	ETN-353900421	19680
 Door Frame	Draw-out	ETN-0020700040	3440
 Phase Barrier	3P	ETN-0020701062	1940
	4P	ETN-0020701063	2900

IZM Series Air Circuit Breaker



Confirms to IEC 60947-2
 Rated Voltage: 415V / 690V / 800V / 1140V
 Short circuit breaking capacity upto 105kA
 Rated current - 400A to 6300A
 Contact wear indicator
 Best in class endurance

Standard breaking capacity $I_{cs} = I_{cu} = I_{cw}$ (1 sec) = 66kA

Microprocessor based trip unit PXR6.1A - LSIG protection with LCD Display, 66kA, 440V / 690V AC





Draw-Out		3P				4P			
Frame	Ratings	Manual		Electrical		Manual		Electrical	
		Part No.	MRP.	Part No.	MRP.	Part No.	MRP.	Part No.	MRP.
I	800A	IZM65N3AG08WH004X	427500	IZM65N3AG08WH024X	482500	IZM65N4AG08WH004X	496200	IZM65N4AG08WH024X	551200
	1000A	IZM65N3AG10WH004X	436500	IZM65N3AG10WH024X	491500	IZM65N4AG10WH004X	511600	IZM65N4AG10WH024X	566600
	1250A	IZM65N3AG12WH004X	438500	IZM65N3AG12WH024X	493500	IZM65N4AG12WH004X	514200	IZM65N4AG12WH024X	569200
	1600A	IZM65N3AG16WH004X	440800	IZM65N3AG16WH024X	495800	IZM65N4AG16WH004X	516750	IZM65N4AG16WH024X	571750
	2000A	IZM65N3AG20WH004X	452000	IZM65N3AG20WH024X	507000	IZM65N4AG20WH004X	529900	IZM65N4AG20WH024X	584900
II	2500A	IZM65N3AG25WH004X	458900	IZM65N3AG25WH024X	513900	IZM65N4AG25WH004X	539200	IZM65N4AG25WH024X	594200
	3200A	IZM65N3AG32WH004X	571000	IZM67N3AG32WH024X	626000	IZM67N4AG32WH004X	698800	IZM67N4AG32WH024X	753800
III	4000A	IZM65N3AG40WH004X	672600	IZM67N3AG40WH024X	727600	IZM67N4AG40WH004X	823800	IZM67N4AG40WH024X	878800
	5000A	IZM99B3-V50W....	On request	IZM99B3-V50W....	On request	IZM99B4-V50W....	On request	IZM99B4-V50W....	On request
	6300A	IZM99B3-V63W....	On request	IZM99B3-V63W....	On request	IZM99N4-V63W....	On request	IZM99N4-V63W....	On request

Fixed		3P				4P			
Frame	Ratings	Manual		Electrical		Manual		Electrical	
		Part No.	MRP.	Part No.	MRP.	Part No.	MRP.	Part No.	MRP.
I	800A	IZM65N3AG08FH004X	298900	IZM65N3AG08FH024X	353900	IZM65N4AG08FH004X	335000	IZM65N4AG08FH024X	390000
	1000A	IZM65N3AG10FH004X	305000	IZM65N3AG10FH024X	360000	IZM65N4AG10FH004X	342200	IZM65N4AG10FH024X	397200
	1250A	IZM65N3AG12FH004X	307500	IZM65N3AG12FH024X	362500	IZM65N4AG12FH004X	344000	IZM65N4AG12FH024X	399000
	1600A	IZM65N3AG16FH004X	312000	IZM65N3AG16FH024X	367000	IZM65N4AG16FH004X	345600	IZM65N4AG16FH024X	400600
	2000A	IZM65N3AG20FH004X	318500	IZM65N3AG20FH024X	373500	IZM65N4AG20FH004X	357600	IZM65N4AG20FH024X	412600
II	2500A	IZM65N3AG25FH004X	325400	IZM65N3AG25FH024X	380400	IZM65N4AG25FH004X	364900	IZM65N4AG25FH024X	419900
	3200A	IZM67N3AG32FH004X	357100	IZM67N3AG32FH024X	412100	IZM67N4AG32FH004X	413700	IZM67N4AG32FH024X	468700
III	4000A	IZM67N3AG40FH004X	398300	IZM67N3AG40FH024X	453300	IZM67N4AG40FH004X	465300	IZM67N4AG40FH024X	520300
	5000A	IZM99B3-V50F....	On request	IZM99B3-V50F....	On request	IZM99B4-V50F....	On request	IZM99B4-V50F....	On request
	6300A	IZM99B3-V63F....	On request	IZM99B3-V63F....	On request	IZM99N4-V63F....	On request	IZM99N4-V63F....	On request




ACB part numbers mentioned above are with 4NO+4NC Aux contact, Door Frame, Phase Barrier, Standard Accessories included in Electrically operated ACB: 230V AC / 220V DC Motor Mechanism, 230V AC / 220V DC Shunt Release, 230V AC / 220V DC Closing Coil For any other accessory voltage rating part number please contact nearest Eaton Sales office.

For 85kA ACBs, 1140V requirement and partcode selection please contact nearest Eaton Sales office.

Accessories

Internal Accessories Description	Rated control voltage (V)	Part No.	MRP.
 Motor operator	AC230/DC220	IZM6-M-230AC/220DC	39000
	AC400	IZM6-M-400AC	39000
	AC110/DC110	IZM6-M-110AC/110DC	39000
 Closing releases	AC230/DC220	IZM6-SR-230AC/220DC	8000
	AC400	IZM6-SR-400AC	8000
	AC110/DC110	IZM6-SR-110AC/110DC	8000
 Shunt releases	AC230/DC220	IZM6-ST-230AC/220DC	8000
	AC400	IZM6-ST-400AC	8000
	AC110/DC110	IZM6-ST-110AC/110DC	8000
Undervoltage releases (instantaneous)	230VAC/220DC	IZM6-UVR-230AC*	10500
	400VAC	IZM6-UVR-400AC	10500
 Undervoltage release with time delay function	230VAC/220DC (1s Delay)	IZM6-UVR-TD1-230AC*	On Request
	230VAC/220DC (3s Delay)	IZM6-UVR-TD3-230AC*	On Request
	230VAC/220DC (5s Delay)	ZM6-UVR-TD5-230AC*	On Request
	230VAC/220DC (10s Delay)	IZM6-UVR-TD10-230AC*	On Request
	400VAC (1s Delay)	IZM6-UVR-TD1-400AC	On Request
	400VAC (3s Delay)	IZM6-UVR-TD3-400AC	On Request
	400VAC(5s Delay)	IZM6-UVR-TD5-400AC	On Request
	400VAC(10s Delay)	IZM6-UVR-TD10-400AC	On Request

*Application range: AC230V / DC220V. Undervoltagerelase and Operation counter cannot be assembled at the same time.

External Accessories Description	Type	Part No.	MRP.
 Open position lock: One lock / one key	Type A	IZM6-1L1K-A\$	7000
	Type B	IZM6-1L1K-B\$	7000
	Type C	IZM6-1L1K-C\$	7000
 Open position lock: Three locks / two keys	Type A	IZM6-3L2K-A\$	21000
	Type B	IZM6-3L2K-B\$	21000
	Type C	IZM6-3L2K-C\$	21000
Mechanical interlock, fixed mounting	Type 2 for 2 Circuit Breakers	IZM6-MIL2C-F#	40320
	Type 31 for 3 Circuit Breakers	IZM6-MIL31C-F#	On Request
	Type 32 for 3 Circuit Breakers	IZM6-MIL32C-F#	60414
Mechanical interlock, fixed mounting	Type 2 for 2 Circuit Breakers	IZM6-MIL2C-W#	40320
	Type 31 for 3 Circuit Breakers	IZM6-MIL31C-W#	On Request
	Type 32 for 3 Circuit Breakers	IZM6-MIL32C-W#	60414
 Inter-phase partition (Phase Barrier)	Fixed type 3Pole	IZM6-IB-3	2000
	Fixed type 4Pole	IZM6-IB-4	3000
	Withdrawable type 3Pole	IZM6-IB-3-F	3000
	Withdrawable type 4Pole	IZM6-IB-3-F	4500
		IZM6-OC*	3000

\$: Factory mounting is recommended (free of charge). Please specify the requirement in order form. Eaton's on-site installation service requires additional charge. Please contact Eaton's sales representative for details prior to ordering.

#: Cable length: 2000mm. External auxiliary contacts and mechanical interlock cannot be equipped at the same time.

*: Cannot be mounted separately and need to be purchased together with the basic device. Undervoltage release, Novoltage release, and operation counter cannot be assembled at the same time.

w.e.f from 10th April 2023

BZMx Molded Case Circuit Breaker

- Rated current: 16A to 630A
- Ics = 100% Icu, 3 pole & 4 pole versions
- Thermal magnetic (LI) and Microprocessor (LSI/LSIG) based trip unit
- Available in Plug-in (all frames) version and withdrawable (frame III) version



Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu, 415VAC, 50Hz

Frame	Ratings (A)	Breaking Capacity	3Pole (LI)			4Pole (LI)		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
BZMxm1	16	25kA	BZMxm1B-3-AX16	CCX00181	7650	BZMxm1B-4-AX16	CCX00194	10950
	20		BZMxm1B-3-AX20	CCX00182	7650	BZMxm1B-4-AX20	CCX00195	10950
	25		BZMxm1B-3-AX25	CCX00183	7650	BZMxm1B-4-AX25	CCX00196	10950
	32		BZMxm1B-3-AX32	CCX00184	7650	BZMxm1B-4-AX32	CCX00197	10950
	40		BZMxm1B-3-AX40	CCX00185	7650	BZMxm1B-4-AX40	CCX00198	10950
	50		BZMxm1B-3-AX50	CCX00186	7650	BZMxm1B-4-AX50	CCX00199	10950
	63		BZMxm1B-3-AX63	CCX00187	7650	BZMxm1B-4-AX63	CCX00200	10950
	80		BZMxm1B-3-AX80	CCX00188	7650	BZMxm1B-4-AX80	CCX00201	10950
	100		BZMxm1B-3-AX100	CCX00189	7650	BZMxm1B-4-AX100	CCX00202	10950
	125		BZMxm1B-3-AX125	CCX00190	10900	BZMxm1B-4-AX125	CCX00203	13600
	160		BZMxm1B-3-AX160	CCX00192	14040	BZMxm1B-4-AX160	CCX00205	16650
BZMX2	200	BZMX2B-3-AX200	CCX00085	18700	BZMX2B-4-AX200	CCX00093	22400	
	250	BZMX2B-3-AX250	CCX00087	20800	BZMX2B-4-AX250	CCX00095	24960	
BZMX1	16	36kA	BZMX1C-3-AX16	CCX00293	10200	BZMX1C-4-AX16	CCX00319	13250
	20		BZMX1C-3-AX20	CCX00294	10200	BZMX1C-4-AX20	CCX00320	13250
	25		BZMX1C-3-AX25	CCX00295	10200	BZMX1C-4-AX25	CCX00321	13250
	32		BZMX1C-3-AX32	CCX00296	10200	BZMX1C-4-AX32	CCX00322	13250
	40		BZMX1C-3-AX40	CCX00297	10200	BZMX1C-4-AX40	CCX00323	13250
	50		BZMX1C-3-AX50	CCX00298	10200	BZMX1C-4-AX50	CCX00324	13250
	63		BZMX1C-3-AX63	CCX00299	10200	BZMX1C-4-AX63	CCX00325	13250
	80		BZMX1C-3-AX80	CCX00300	10200	BZMX1C-4-AX80	CCX00326	13250
	100		BZMX1C-3-AX100	CCX00301	10200	BZMX1C-4-AX100	CCX00327	13250
	125		BZMX1C-3-AX125	CCX00302	12200	BZMX1C-4-AX125	CCX00328	16120
	160		BZMX1C-3-AX160	CCX00304	15370	BZMX1C-4-AX160	CCX00330	19240
BZMX2	200	BZMX2C-3-AX200	CCX00117	21200	BZMX2C-4-AX200	CCX00125	26000	
	250	BZMX2C-3-AX250	CCX00119	23300	BZMX2C-4-AX250	CCX00127	28600	
BZMX3	315	BZMX3C-3-AX315	CCX00026	32250	BZMX3C-4-AX315	CCX00032	39700	
	400	BZMX3C-3-AX400	CCX00028	32250	BZMX3C-4-AX400	CCX00034	39700	
	500	BZMX3C-3-AX500	CCX00029	38500	BZMX3C-4-AX500	CCX00035	46800	
	630	BZMX3C-3-AX630	CCX00030	40600	BZMX3C-4-AX630	CCX00036	49920	
BZMX1	16	50kA	BZMX1N-3-AX16	CCX00241	12270	BZMX1N-4-AX16	CCX00267	16200
	20		BZMX1N-3-AX20	CCX00242	12270	BZMX1N-4-AX20	CCX00268	16200
	25		BZMX1N-3-AX25	CCX00243	12273	BZMX1N-4-AX25	CCX00269	16200
	32		BZMX1N-3-AX32	CCX00244	12270	BZMX1N-4-AX32	CCX00270	16200
	40		BZMX1N-3-AX40	CCX00245	12270	BZMX1N-4-AX40	CCX00271	16200
	50		BZMX1N-3-AX50	CCX00246	12270	BZMX1N-4-AX50	CCX00272	16200
	63		BZMX1N-3-AX63	CCX00247	12270	BZMX1N-4-AX63	CCX00273	16200
	80		BZMX1N-3-AX80	CCX00248	12270	BZMX1N-4-AX80	CCX00274	16200
	100		BZMX1N-3-AX100	CCX00249	12270	BZMX1N-4-AX100	CCX00275	16200
	125		BZMX1N-3-AX125	CCX00250	15600	BZMX1N-4-AX125	CCX00276	20280
	160		BZMX1N-3-AX160	CCX00252	18700	BZMX1N-4-AX160	CCX00278	22900
BZMX2	200	BZMX2N-3-AX200	CCX00149	22900	BZMX2N-4-AX200	CCX00157	28600	
	250	BZMX2N-3-AX250	CCX00151	25000	BZMX2N-4-AX250	CCX00159	31200	
BZMX3	315	BZMX3N-3-AX315	CCX00050	34320	BZMX3N-4-AX315	CCX00056	41600	
	400	BZMX3N-3-AX400	CCX00052	34320	BZMX3N-4-AX400	CCX00058	41600	
	500	BZMX3N-3-AX500	CCX00053	40600	BZMX3N-4-AX500	CCX00059	48880	
	630	BZMX3N-3-AX630	CCX00054	42650	BZMX3N-4-AX630	CCX00060	52000	

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BZMx Molded Case Circuit Breaker

- Protection LSI/LSIG
- Pre-Alarm/Fault Indicator
- Overload Indicator
- Adjustable rated current setting
- Adjustable short delay current setting
- Adjustable instantaneous current setting
- Adjustable pre-alarming setting

Microprocessor based trip unit, LSI + Pre Alarm / LSIG, Ics = 100% Icu, 415VAC, 50Hz

Frame	Ratings (A)	Breaking Capacity	3Pole (LSI + Pre Alarm)			4Pole (LSIG)		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
BZMX1	32	36kA	BZMX1C-3-EX32	CCX00350	31200	BZMX1C-4-EX32	CCX00354	37440
	63		BZMX1C-3-EX63	CCX00351	31200	BZMX1C-4-EX63	CCX00355	37440
	100		BZMX1C-3-EX100	CCX00352	31200	BZMX1C-4-EX100	CCX00356	37440
	160		BZMX1C-3-EX160	CCX00353	36400	BZMX1C-4-EX160	CCX00357	43680
BZMX2	250		BZMX2C-3-EX250	CCX00358	41600	BZMX2C-4-EX250	CCX00359	52000
BZMX3	400		BZMX3C-3-EX400	CCX00360	50960	BZMX3C-4-EX400	CCX00362	61360
	630		BZMX3C-3-EX630	CCX00361	56160	BZMX3C-4-EX630	CCX00363	67600
BZMX1	32		50kA	BZMX1N-3-EX32	CCX00364	34320	BZMX1N-4-EX32	CCX00368
	63	BZMX1N-3-EX63		CCX00365	34320	BZMX1N-4-EX63	CCX00369	41080
	100	BZMX1N-3-EX100		CCX00366	34320	BZMX1N-4-EX100	CCX00370	41080
	160	BZMX1N-3-EX160		CCX00367	40040	BZMX1N-4-EX160	CCX00371	47850
BZMX2	250	BZMX2N-3-EX250		CCX00372	45760	BZMX2N-4-EX250	CCX00373	57200
BZMX3	400	BZMX3N-3-EX400		CCX00374	54080	BZMX3N-4-EX400	CCX00376	64480
	630	BZMX3N-3-EX630		CCX00375	60320	BZMX3N-4-EX630	CCX00377	74880

* For LSIG requirement in 3 pole and LSI requirement in 4 pole, please contact nearest Eaton Sales Office.

BZMx MCCB for 800V AC Solar Application

- Ics = 100% Icu
- 36.5kA @ 800V AC, 15kA @ 1000V AC

Frame	Ratings (A)	3P		
		Part No.	Article No.	MRP.
BZMX2	100	BZMX2E-3-AX100-S08	CCX10003	On request
	125	BZMX2E-3-AX125-S08	CCX10004	On request
	160	BZMX2E-3-AX160-S08	CCX10006	On request
	200	BZMX2E-3-AX200-S08	CCX10008	On request
	250	BZMX2E-3-AX250-S08	CCX10010	On request
BZMX3	315	BZMX3E-3-AX315-S08	CCX10013	On request
	400	BZMX3E-3-AX400-S08	CCX10015	On request

BZMx Switch Disconnecter Type

- Isolating Characteristics complying to IEC 60947-3

Frame	Ratings (A)	3P			4P		
		Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
BZMX1	63	BZMX1W-3-SW63	CCX00390	9500	BZMX1W-4-SW63	CCX00391	12700
	100	BZMX1W-3-SW100	CCX00392	9500	BZMX1W-4-SW100	CCX00393	12700
	125	BZMX1W-3-SW125	CCX00394	10600	BZMX1W-4-SW125	CCX00395	13800
	160	BZMX1W-3-SW160	CCX00396	10600	BZMX1W-4-SW160	CCX00397	13800
BZMX2	200	BZMX2W-3-SW200	CCX00388	18700	BZMX2W-4-SW200	CCX00389	24000
	250	BZMX2W-3-SW250	CCX00384	18700	BZMX2W-4-SW250	CCX00387	24000
BZMX3	320	BZMX3W-3-SW320	CCX00398	30200	BZMX3W-4-SW320	CCX00399	39500
	400	BZMX3W-3-SW400	CCX00400	30600	BZMX3W-4-SW400	CCX00401	39500
	630	BZMX3W-3-SW630	CCX00402	35000	BZMX3W-4-SW630	CCX00403	45700

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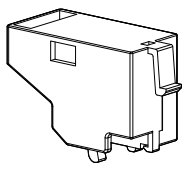
BZMx for Motor Application

- Fixed magnetic (I_n = 12 x I_n) : Tripping current from 192A to 7560A

Frame	Ratings (A)	3P		
		Part No.	Article No.	MRP.
BZMX1	16	BZMX1N-3-M16	CCX00254	11250
	20	BZMX1N-3-M20	CCX00255	11250
	25	BZMX1N-3-M25	CCX00256	11250
	32	BZMX1N-3-M32	CCX00257	11250
	40	BZMX1N-3-M40	CCX00258	11250
	50	BZMX1N-3-M50	CCX00259	11250
	63	BZMX1N-3-M63	CCX00260	11250
	80	BZMX1N-3-M80	CCX00261	11250
	100	BZMX1N-3-M100	CCX00262	11250
	125	BZMX1N-3-M125	CCX00263	14600
	160	BZMX1N-3-M160	CCX00265	16650
BZMX2	200	BZMX2N-3-M200	CCX00165	20800
	250	BZMX2N-3-M250	CCX00167	20800
BZMX3	315	BZMX3N-3-M315	CCX00062	31200
	400	BZMX3N-3-M400	CCX00064	31200
	500	BZMX3N-3-M500	CCX00065	38500
	630	BZMX3N-3-M630	CCX00066	38500

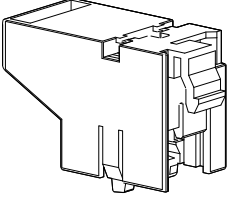
BZMx Accessories

Auxiliary and Alarm Contact

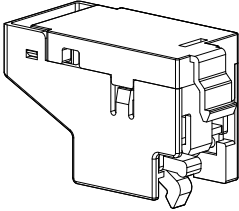
	Type	Use with Frame	Part No.	Article No.	Description	MRP.
	Auxiliary Contact	m1	BZMXm1/Z L	CCX09001	Left Auxillary Contact	1460
			BZMXm1/Z R	CCX09002	Right Auxillary Contact	1460
			BZMXm1/2Z L	CCX09003	2 Left Auxillary Contact	2800
			BZMXm1/2Z R	CCX09004	2 Right Auxillary Contact	2800
		I	BZMX1/Z	CCX09009	Common for Both Sides Auxillary Contact	1460
			BZMX1/2Z	CCX09010	2 Common for Both Sides Auxillary Contact	2800
		II	BZMX2/Z L	CCX09013	Left Auxillary Contact	1800
			BZMX2/Z R	CCX09014	Right Auxillary Contact	1800
			BZMX2/2Z L	CCX09015	2 Left Auxillary Contact	3500
			BZMX2/2Z R	CCX09016	2 Right Auxillary Contact	3500
		III	BZMX3/Z	CCX09021	Common for Both Sides Auxillary Contact	2100
		Alarm Contact	m1	BZMXm1/ZA L	CCX09005	Left Alarm Contact
	BZMXm1/ZA R			CCX09006	Right Alarm Contact	1460
	BZMXm1/Z+ZA L			CCX09007	2 Left Alarm Contact	2800
	BZMXm1/Z+ZA R			CCX09008	2 Right Alarm Contact	2800
	I		BZMX1/ZA	CCX09011	Common for Both Sides Alarm Contact	1460
II	BZMX2/ZA L		CCX09017	Left Alarm Contact	1800	
	BZMX2/ZA R		CCX09018	Right Alarm Contact	1800	
III	BZMX3/ZA		CCX09022	Common for Both Sides Alarm Contact	2100	
Common Aux + Alarm Contact	I		BZMX1/Z+ZA	CCX09012	Aux + Common for Both Sides Alarm Contact	2800
	II		BZMX2/Z+ZA L	CCX09019	Aux + Left Alarm Contact	3500
		BZMX2/Z+ZA R	CCX09020	Aux + Right Alarm Contact	3500	
III	BZMX3/Z+ZA	CCX09023	Aux + Common for Both Sides Alarm Contact	4100		

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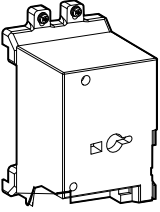
Undervoltage Release

	Mounting	Frame	Part No.	Article No.	MRP.
	Right Mounting	m1	BZMXm1/UVT 400V	CCX09024	5100
			BZMXm1/UVT 230V	CCX09025	5100
		I	BZMX1/UVT 400V	CCX09026	5100
			BZMX1/UVT 230V	CCX09027	5100
		II	BZMX2/UVT 400V	CCX09028	5600
			BZMX2/UVT 230V	CCX09029	5600
		III	BZMX3/UVT 400V	CCX09030	7500
			BZMX3/UVT 230V	CCX09031	7500

Shunt Release

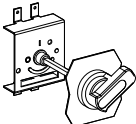
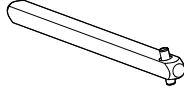
	Mounting	Frame	Part No.	Article No.	MRP.
	Left Mounting	m1	BZMXm1/SHT 400V	CCX09032	3225
			BZMXm1/SHT 230V	CCX09033	3225
			BZMXm1/SHT DC24V	CCX09034	3225
		I	BZMX1/SHT 400V	CCX09035	3225
			BZMX1/SHT 230V	CCX09036	3225
			BZMX1/SHT DC110V	CCX09037	3225
			BZMX1/SHT DC24V	CCX09038	3225
		II	BZMX2/SHT 400V	CCX09039	3535
			BZMX2/SHT 230V	CCX09040	3535
			BZMX2/SHT DC110V	CCX09041	3535
			BZMX2/SHT DC24V	CCX09042	3535
		III	BZMX3/SHT 400V	CCX09043	6760
			BZMX3/SHT 230V	CCX09044	6760
			BZMX3/SHT DC220V	CCX09045	6760
			BZMX3/SHT DC24V	CCX09046	6760

Motor Operator

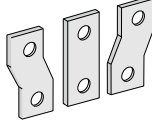
	Frame	Part No.	Article No.	MRP.
	m1	BZMXm1/CD2 AC230V/DC220V	CCX09047	36500
		BZMXm1/CD2 AC/DC110V	CCX09048	36500
		BZMXm1/CD2 DC24V	CCX09049	36500
	I	BZMX1/CD2 400V	CCX09050	36500
		BZMX1/CD2 AC230V/DC220V	CCX09051	36500
		BZMX1/CD2 AC/DC110V	CCX09052	36500
	II	BZMX1/CD2 DC24V	CCX09053	36500
		BZMX2/CD2 400V	CCX09054	36500
		BZMX2/CD2 AC230V/DC220V	CCX09055	41600
	III	BZMX2/CD2 AC/DC110V	CCX09056	41600
		BZMX2/CD2 DC24V	CCX09057	41600
		BZMX3/CD2 400V	CCX09058	48000
	III	BZMX3/CD2 AC230V/DC220V	CCX09059	48000
		BZMX3/CD2 AC/DC110V	CCX09060	48000
		BZMX3/CD2 DC24V	CCX09061	48000

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Rotary Handle (Manual operator)

	Type	Frame	Part No.	Article No.	MRP.	Note
	Rotary Handle	m1	BZMXm1/CS1	CCX09070	3100	A 200mm long connecting rod is equipped as standard
		I	BZMX1/CS1	CCX09072	3100	
II		BZMX2/CS1	CCX09074	3450		
III		BZMX3/CS1	CCX09076	3750		
	500mm Rod	m1, I, II	BZMXm1/X1/X2-500	CCX09101	2300	500mm rod, to be ordered separately along with rotary handle
		III	BZMX3-500	CCX09102	2300	

Spreader

	Frame	Part No.	Article No.	MRP.
	m1	BZMXm1-3/K3 BZMX1-3/K3(EX) (Set of 6)	CCX09085	1750
		BZMXm1-4/K3 BZMX1-4/K3(EX) (Set of 8)	CCX09086	2350
	I	BZMX1-3/K3(AX) (Set of 6)	CCX09120	3000
		BZMX1-4/K3(AX) (Set of 8)	CCX09121	4100
	II	BZMX2-3/K3 (Set of 6)	CCX09091	3600
		BZMX2-4/K3 (Set of 8)	CCX09092	4800
	III	BZMX3-3/K3 400A (Set of 6)	CCX09097	5100
		BZMX3-4/K3 400A (Set of 8)	CCX09098	6700
		BZMX3-3/K3 630A (Set of 6)	CCX09099	5350
		BZMX3-4/K3 630A (Set of 8)	CCX09100	7200

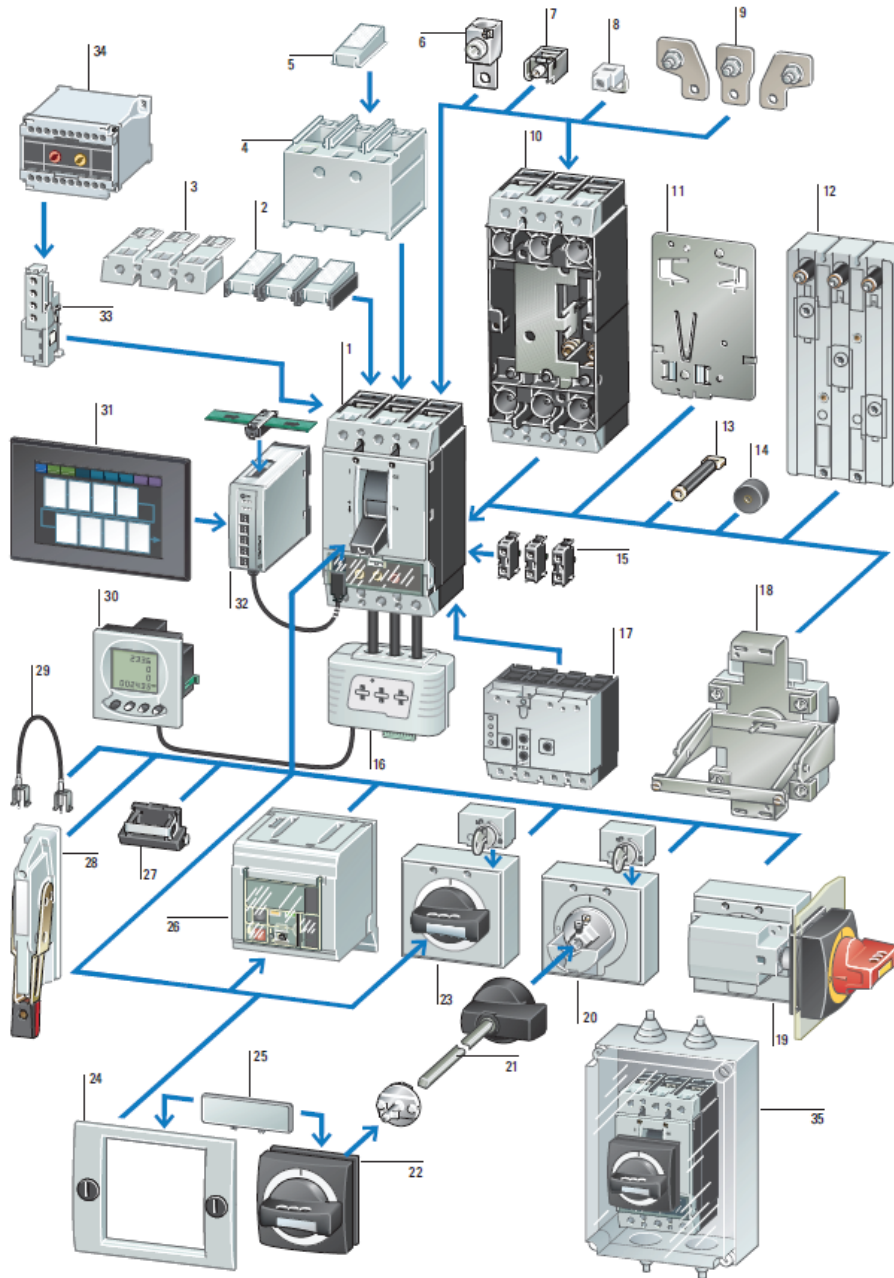
Plug-in / Drawout Cassette

Type	Frame	Part No.	Article No.	MRP.
Plug-in cassette	m1	BZMXm1-3/P	CCX09078	On Request
	I	BZMX1-3/P	CCX09079	On Request
	II	BZMX2-3/P	CCX09080	On Request
	III	BZMX3-3/P	CCX09081	On Request
BZMX3-3/W		CCX09082	On Request	
Drawout cassette				

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NZM Circuit-breakers, switch-disconnectors

System overview






- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Switch-Disconnecter; circuit breaker; Molded case switches 2. IP2X protection against contact with a finger 3. Terminal cover, knockout 4. Terminal cover 5. IP2X protection against contact with a finger 6. Tunnel terminals 7. Box terminals 8. Control circuit terminal 9. Connection width extension 10. Plug-in and withdrawable unit 11. Adapter plate 12. Busbar adapter 13. Connecting on rear 14. Spacer 15. Standard auxiliary contacts, trip - indicating auxiliary switches 16. Measuring and communication modules 17. Residual-current protection device 18. Rear operator | <ol style="list-style-type: none"> 19. Main switch rotary handle for side panel mounting 20. Door coupling rotary 21. Extension Shaft 22. Handle 23. Rotary handle 24. Insulating surround 25. External warning plate/markings plate 26. Remote operator 27. Toggle lever interlock device 28. Side operator handle 29. Mechanical Interlock 30. Display 31. BreakerVisu Display 32. NZM communication module for SmartWire-DT 33. Voltage release/Early-make auxiliary contact 34. Delay unit for undervoltage releases 35. Insulated enclosures |
|---|--|

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NZM Series Molded Case Circuit Breaker

NZM with Thermal Magnetic Trip Unit

- Global Approvals: IEC, UL, CSA, Shipping
- Energy Monitoring module with communication and/or panel front display
- Special versions: 1000V AC and upto 1500V DC
- Classic front face
- Thermal Magnetic Trip Unit:
 - Adjustable Thermal: 0.8 - 1.0 In
 - Adjustable Magnetic: 6 - 10 In
- Withdrawable, Plug in & Motorized options
- Ics = 100% Icu




	Rated current(A)	Breaking Capacity(kA) Icu, 400V, 50Hz	3 Pole			4 Pole		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
	20	25	NZMB1-A20	280987	12000	NZMB1-4-A20	281237	16250
	25		NZMB1-A25	280988	12000	NZMB1-4-A25	281239	16250
	32		NZMB1-A32	280989	12000	NZMB1-4-A32	281241	16250
	40		NZMB1-A40	259075	12000	NZMB1-4-A40	265799	16250
	50		NZMB1-A50	259076	12000	NZMB1-4-A50	265801	16225
	63		NZMB1-A63	259077	12000	NZMB1-4-A63	265803	16225
	80		NZMB1-A80	259078	12000	NZMB1-4-A80	265805	16225
	100		NZMB1-A100	259079	12000	NZMB1-4-A100	265807	16225
	125		NZMB1-A125	259080	17050	NZMB1-4-A125	265809	25200
	160		NZMB1-A160	281230	18800	NZMB1-4-A160	281243	26100
	200		NZMB2-A200	259089	27950	NZMB2-4-A200	265852	37700
	250		NZMB2-A250	259090	29500	NZMB2-4-A250	265855	39200
	300		NZMB2-A300	107518	32000	NZMB2-4-A300	107582	43550
	20	36	NZMC1-A20	283293	14250	NZMC1-4-A20	283300	18000
	25		NZMC1-A25	283294	14250	NZMC1-4-A25	283302	18000
	32		NZMC1-A32	283295	14250	NZMC1-4-A32	283304	18000
	40		NZMC1-A40	271392	14250	NZMC1-4-A40	271408	18000
	50		NZMC1-A50	271393	14250	NZMC1-4-A50	271410	18000
	63		NZMC1-A63	271394	14250	NZMC1-4-A63	271412	18000
	80		NZMC1-A80	271395	15800	NZMC1-4-A80	271414	18000
	100		NZMC1-A100	271396	15800	NZMC1-4-A100	271416	18000
	125		NZMC1-A125	271397	22300	NZMC1-4-A125	271418	25900
	160		NZMC1-A160	283296	23750	NZMC1-4-A160	283306	27350
	200		NZMC2-A200	271422	33870	NZMC2-4-A200	271435	39500
	250		NZMC2-A250	271423	35300	NZMC2-4-A250	271438	42500
	300		NZMC2-A300	107519	37500	NZMC2-4-A300	107584	47500
	20	50	NZMN1-A20	281231	17200	NZMN1-4-A20	281245	22600
	25		NZMN1-A25	281232	17200	NZMN1-4-A25	281247	22600
	32		NZMN1-A32	281233	17200	NZMN1-4-A32	281249	22600
	40		NZMN1-A40	259081	17200	NZMN1-4-A40	265811	22600
	50		NZMN1-A50	259082	17200	NZMN1-4-A50	265813	22600
	63		NZMN1-A63	259083	17200	NZMN1-4-A63	265815	22600
	80		NZMN1-A80	259084	17200	NZMN1-4-A80	265817	22600
	100		NZMN1-A100	259085	17200	NZMN1-4-A100	265819	22600
	125		NZMN1-A125	259086	23750	NZMN1-4-A125	265821	29600
	160		NZMN1-A160	281234	24500	NZMN1-4-A160	281251	31150
	200		NZMN2-A200	259093	36000	NZMN2-4-A200	265863	42500
	250		NZMN2-A250	259094	37500	NZMN2-4-A250	265866	45300
	300		NZMN2-A300	107580	40000	NZMN2-4-A300	107586	50300
	320		NZMN3-A320	109669	54600	NZMN3-4-A320	109694	70500
	400		NZMN3-A400	109670	56800	NZMN3-4-A400	109696	72600
500	NZMN3-A500	109671	60500	NZMN3-4-A500	109698	75500		

* For UL, CSA part numbers and prices - Please contact nearest sales office

	Rated current(A)	Breaking Capacity(kA) Icu, 400V, 50Hz	3 Pole			4 Pole		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
	20	100	NZMH1-A20	284376	21560	NZMH1-4-A20	284416	27500
	25		NZMH1-A25	284377	21560	NZMH1-4-A25	284418	27500
	32		NZMH1-A32	284378	21560	NZMH1-4-A32	284420	27500
	40		NZMH1-A40	284379	21560	NZMH1-4-A40	284422	27500
	50		NZMH1-A50	284410	21560	NZMH1-4-A50	284424	27500
	63		NZMH1-A63	284411	21560	NZMH1-4-A63	284426	27500
	80		NZMH1-A80	284412	21560	NZMH1-4-A80	284428	27500
	100		NZMH1-A100	284413	21560	NZMH1-4-A100	284430	27500
	125		NZMH1-A125	284414	25900	NZMH1-4-A125	284432	32500
	160		NZMH1-A160	284415	27500	NZMH1-4-A160	284434	32500
			20	150	NZMH2-A20	281281	36000	NZMH2-4-A20
25		NZMH2-A25	281282		36000	NZMH2-4-A25	281289	46750
32		NZMH2-A32	281283		36000	NZMH2-4-A32	281291	46750
40		NZMH2-A40	259095		36000	NZMH2-4-A40	265823	46750
50		NZMH2-A50	259096		36000	NZMH2-4-A50	265825	46750
63		NZMH2-A63	259097		36000	NZMH2-4-A63	265827	46750
80		NZMH2-A80	259098		36000	NZMH2-4-A80	265829	46750
100		NZMH2-A100	259099		36000	NZMH2-4-A100	265831	46750
125		NZMH2-A125	259100		36000	NZMH2-4-A125	265833	46750
160		NZMH2-A160	259101		36000	NZMH2-4-A160	265871	46750
200		NZMH2-A200	259102		38900	NZMH2-4-A200	265874	48500
250		NZMH2-A250	259103		43850	NZMH2-4-A250	265877	56000
300		NZMH2-A300	107581		48200	-	-	-
320		NZMH3-A320	109673		57500	-	-	-
400		NZMH3-A400	109674		59000	NZMH3-4-A400	109702	79000
500		-	-		-	NZMH3-4-A500	109704	79000

NZM with Microprocessor Based Trip Unit Type AE

- Global Approvals: IEC, UL, CSA, Shipping
- On board Diagnostics as standard
- Complete suite of communication solutions-Modbus/Profibus/Ethernet/SWD
- Energy Monitoring module with communication and/or panel front display
- Special versions: 1000V AC and upto 1500V AC
- Microprocessor based Trip Unit:
 - Adjustable Thermal: 0.5 - 1.0 In
 - Adjustable Magnetic: 2 - 12 In
 - Overload Pre Alarm LED
- Withdrawable, Plug in & Motorized options
- Ics = 100% Icu




	Rated current(A)	Breaking Capacity(kA) Icu, 400V, 50Hz	3 Pole			4 Pole		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
Normal Switching Capacity								
	400	50	NZMN3-AE400	259114	58200	NZMN3-4-AE400	265891	81000
	630		NZMN3-AE630	259115	61500	NZMN3-4-AE630	265894	85000
	800		NZMN4-AE800	265759	118000	NZMN4-4-AE800	265909	148000
	1000		NZMN4-AE1000	265760	138000	NZMN4-4-AE1000	265912	199000
	1250		NZMN4-AE1250	265761	162000	NZMN4-4-AE1250	265915	246500
	1600		NZMN4-AE1600	265762	220000	NZMN4-4-AE1600	265918	283000
High Switching Capacity								
	400	150	NZMH3-AE400	259117	67500	NZMH3-4-AE400	265897	99500
	630		NZMH3-AE630	259118	72000	NZMH3-4-AE630	265900	111000
	800	85	NZMH4-AE800	265764	140000	NZMH4-4-AE800	265921	176000
	1000		NZMH4-AE1000	265765	176000	NZMH4-4-AE1000	265924	269500
	1250		NZMH4-AE1250	265766	202500	NZMH4-4-AE1250	265927	282000
	1600		NZMH4-AE1600	265767	260000	NZMH4-4-AE1600	265930	315000
Earth Fault Protection								
	400	50	NZMN3-AE400-T	110889	88000	NZMN3-4-AE400-T	110902	111000
	630		NZMN3-AE630-T	110890	94200	NZMN3-4-AE630-T	110904	117500
	400	150	NZMH3-AE400-T	110895	98750	NZMH3-4-AE400-T	110906	125000
	630		NZMH3-AE630-T	110896	115000	NZMH3-4-AE630-T	110908	130000

* For UL, CSA part numbers - Please contact nearest sales office

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NZM with Microprocessor Based Trip Unit Type VE


- Global Approvals: IEC, UL, CSA, Shipping
- On board Diagnostics as standard and Ics = 100% Icu
- Complete suite of communication solutions-Modbus/Profibus/Ethernet/SWD
- Energy monitoring module with communication and/or panel front display
- Withdrawable, Plug IN & Motorized options
- Special Versions: 1000V AC and upto 1500V DC
- Microprocessor based Trip Unit:
 - Adjustable Overload Settings: 0.5 - 1.0 In
 - Adjustable Overload Time Delay Settings: 2 - 20 In
 - Adjustable Short Circuit Settings: 2 - 10 In
 - Adjustable Short Circuit Delay Settings: 0 - 1000ms
 - Adjustable Instantaneous Settings: 2 - 12 In
 - 12T-On/Off function & Overload Pre Alarm LED

	Rated current(A)	Breaking Capacity(kA) Icu, 400V, 50Hz	3 Pole			4 Pole		
			Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
	100	50	NZMN2-VE100	259122	49750	NZMN2-4-VE100	265933	63500
	160		NZMN2-VE160	259123	49750	NZMN2-4-VE160	265935	63500
	250		NZMN2-VE250	259124	49750	NZMN2-4-VE250	265938	63500
	400		NZMN3-VE400	259132	62000	NZMN3-4-VE400	265957	85000
	630		NZMN3-VE630	259133	65100	NZMN3-4-VE630	265960	91100
	800		NZMN4-VE800	265769	131700	NZMN4-4-VE800	265975	168500
	1000		NZMN4-VE1000	265770	161000	NZMN4-4-VE1000	265978	245000
	1250		NZMN4-VE1250	265771	199000	NZMN4-4-VE1250	265981	291000
	1600		NZMN4-VE1600	265772	260250	NZMN4-4-VE1600	265984	345000
	100	150	NZMH2-VE100	259125	43000	NZMH2-4-VE100	265941	50000
	160		NZMH2-VE160	259126	47500	NZMH2-4-VE160	265943	58200
	250		NZMH2-VE250	259127	58950	NZMH2-4-VE250	265946	85750
	400		NZMH3-VE400	259135	68900	NZMH3-4-VE400	265963	99500
	630		NZMH3-VE630	259136	72750	NZMH3-4-VE630	265966	115000
	800	85	NZMH4-VE800	265774	154650	NZMH4-4-VE800	265987	183700
	1000		NZMH4-VE1000	265775	193700	NZMH4-4-VE1000	265990	275600
	1250		NZMH4-VE1250	265776	222000	NZMH4-4-VE1250	265993	330000
	1600		NZMH4-VE1600	265777	283500	NZMH4-4-VE1600	265996	360000

For UL, CSA part numbers - Please contact nearest sales office

Switch-Disconnectors Type PN

- Isolating Characteristic to IEC/EN 60947-3, VDE 0660
- Main switch characteristics including positive operation to IEC/EN 60204, VDE 0113

	Rated current(A)	3 Pole			4 Pole		
		Part No.	Article No.	MRP.	Part No.	Article No.	MRP.
	63	PN1-63	259140	9600	PN1-4-63	265999	14500
	100	PN1-100	259141	9600	PN1-4-100	266000	14500
	125	PN1-120	259142	10050	PN1-4-120	266001	15500
	160	PN1-160	281235	11100	PN1-4-160	281253	16250
	200	PN2-200	266006	22150	PN2-4-200	266012	28800
	250	PN2-250	266007	23650	PN2-4-250	266013	30300
	400	PN3-400	266017	38500	PN3-4-400	266021	49500
	630	PN3-630	266018	42100	PN3-4-630	266022	54650

NZM Series Molded Case Circuit Breaker

Accessories for NZM

Rotary Handle




Description	For Use With	Part No.	Article No.	MRP.
Extended Rotary Handle	NZM1	NZM1-XTVD + NZM1/2-XV4	260166 + 261232	5550
Extended Rotary Handle	NZM2	NZM2-XTVD + NZM1/2-XV4	260168 + 261232	5550
Extended Rotary Handle	NZM3	NZM3-XTVD + NZM3/4-XV4	260170 + 261234	9420
Extended Rotary Handle	NZM4	NZM4-XTVD + NZM3/4-XV4	266614 + 261234	12200

Spreaders (Set of 3/4)

Frame	For Use With	Part No.	MRP.	Part No.	MRP.
1	NZM	NZM1-XKVI	1110	NZM1-4-XKVI	1320
2	NZM	NZM2-XKVI	1400	NZM2-4-XKVI	1650
3	NZM	NZM3-XKVI	1950	NZM3-4-XKVI	2450


Under Voltage Release

W/O Auxiliary Contacts

	Type	Voltage	Part No.	Article No.	MRP.
For use with NZM1					
	AC 50/60 HZ	24 V	NZM1-XU24AC	259434	5400
		110 V-130 V	NZM1-XU110-130AC	259440	5400
		208 V-240 V	NZM1-XU208-240AC	259442	5400
		380 V- 440 V	NZM1-XU380-440AC	259444	5400
		480 V- 525 V	NZM1-XU480-525AC	259446	6800
	DC	12 V	NZM1-XU12DC	259450	5500
		24 V	NZM1-XU24DC	259452	5500
		110 V-130 V	NZM1-XU110-130DC	259458	5700
		220 V-250 V	NZM1-XU220-250DC	259460	5700
		For use with NZM2 & NZM3			
	AC 50/60 HZ	24 V	NZM2/3-XU24AC	259491	5165
		110 V-130 V	NZM2/3-XU110-130AC	259497	5165
		208 V-240 V	NZM2/3-XU208-240AC	259499	5165
		380 V- 440 V	NZM2/3-XU380-440AC	259501	5600
		480 V- 525 V	NZM2/3-XU480-525AC	259503	8600
	DC	12 V	NZM2/3-XU12DC	259507	6220
		24 V	NZM2/3-XU24DC	259509	5400
		110 V-130 V	NZM2/3-XU110-130DC	259515	5400
		220 V-250 V	NZM2/3-XU220-250DC	259517	5600
		For use with NZM4			
	AC 50/60 HZ	24 V	NZM4-XU24AC	266189	10750
		110 V-130 V	NZM4-XU110-130AC	266192	10750
		208 V-240 V	NZM4-XU208-240AC	266193	10750
		380 V- 440 V	NZM4-XU380-440AC	266194	10750
	DC	24 V	NZM4-XU24DC	266204	10750
		110 V-130 V	NZM4-XU110-130DC	266207	10750




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Auxiliary Contact & Trip Indicating Contact for use with NZM


	Type	NO	NC	Part No.	Article No.	MRP.
	Single Contact	1	–	M22-K10	216376	281
		–	1	M22-K01	216378	281
	Double Contact	1	1	M22-CK11	107940	688
		2	–	M22-CK20	107898	666
		–	2	M22-CK02	107899	666

Shunt Release

W/O Auxiliary Contacts

	Type	Voltage	Part No.	Article No.	MRP.
For use with NZM1					
	AC/DC	12 V AC/DC	NZM1-XA12AC/DC	259706	5750
		24 V AC/DC	NZM1-XA24AC/DC	259708	4310
		110 V-130 V AC/DC	NZM1-XA110-130AC/DC	259724	4310
		208 V-250 V AC/DC	NZM1-XA208-250AC/DC	259726	4310
		380 V-440 V AC/DC	NZM1-XA380-440AC/DC	259728	4600
For use with NZM2 & NZM3					
	AC/DC	12 V AC/DC	NZM2/3-XA12AC/DC	259752	5750
		24 V AC/DC	NZM2/3-XA24AC/DC	259754	4670
		48 V AC/DC	NZM2/3-XA48AC/DC	259756	4670
		60 V AC/DC	NZM2/3-XA60AC/DC	259758	5750
		110 V-130 V AC/DC	NZM2/3-XA110-130AC/DC	259760	4670
		208 V-250 V AC/DC	NZM2/3-XA208-250AC/DC	259763	4670
380 V-440 V AC/DC	NZM2/3-XA380-440AC/DC	259766	5750		
For use with NZM4					
	AC/DC	24 V AC/DC	NZM4-XA24AC/DC	266447	7550
		60 V AC/DC	NZM4-XA60AC/DC	266449	7550
		110 V-130 V AC/DC	NZM4-XA110-130AC/DC	266450	7550
		208 V-250 V AC/DC	NZM4-XA208-250AC/DC	266451	7550
		380 V-440 V AC/DC	NZM4-XA380-440AC/DC	266452	7550

Motor Mechanism


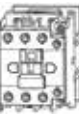
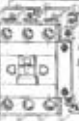


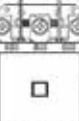


	Operating Voltage	Part No.	Article No.	MRP.
	For use with NZM2			
	110 V-130 V 50/60 HZ	NZM2-XR110-130AC	259830	61000
	208 V-240 V 50/60 HZ	NZM2-XR208-240AC	259832	61000
	380 V-440 V 50/60 HZ	NZM2-XR380-440AC	259834	61000
	24 V-30 V DC	NZM2-XR24-30DC	259836	61000
	48 V-60 V DC	NZM2-XR48-60DC	259838	72000
	110 V-130 V DC	NZM2-XR110-130DC	259840	61000
	220 V-250 V DC	NZM2-XR220-250DC	259842	61000
	For use with NZM3			
	110 V-130 V 50/60 HZ	NZM3-XR110-130AC	259848	61000
	208 V-240 V 50/60 HZ	NZM3-XR208-240AC	259850	61000
	380 V-440 V 50/60 HZ	NZM3-XR380-440AC	259852	61000
	24 V-30 V DC	NZM3-XR24-30DC	259854	61000
	48 V-60 V DC	NZM3-XR48-60DC	259856	72000
	110 V-130 V DC	NZM3-XR110-130DC	259858	61000
220 V-250 V DC	NZM3-XR220-250DC	259860	61000	
For use with NZM4				
110 V-130 V 50/60 HZ	NZM4-XR110-130AC	266684	86200	
208 V-240 V 50/60 HZ	NZM4-XR208-240AC	266685	86200	
380 V-440 V 50/60 HZ	NZM4-XR380-440AC	266686	86200	
24 V-30 V DC	NZM4-XR24-30DC	266691	86200	
48 V-60 V DC	NZM4-XR48-60DC	266692	100500	
220 V-250 V DC	NZM4-XR220-250DC	266694	86200	

For prices of Spreaders and Phase barriers, please contact Eaton sales office

Contactor: XTCD

- IEC 60947, CE
- High electrical lifespan
- 1NO+1NC inbuilt auxiliary contact as standard
- Range: 17A to 630A, AC Coil

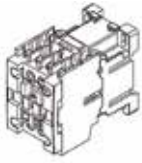


	Rating AC-3	AC-3 (kW) 380/400V	Contacts		Part Number	Article Number					MRP AC Coil
			NO	NC		24V	110V	220V	230V*	400V	
	6A	2.2	1	1	XTCD6-11(...)	CMD00500	CMD00503	CMD00504	CMD00505	CMD00507	1110
	9A	4	1	1	XTCD9-11(...)	CMD00508	CMD00511	CMD00512	CMD00513	CMD00515	1170
	12A	5.5	1	1	XTCD12-11(...)	CMD00516	CMD00519	CMD00520	CMD00521	CMD00523	1325
	18A	7.5	1	1	XTCD18-11(...)	CMD00524	CMD00527	CMD00528	CMD00529	CMD00531	1550
	25A	11	1	1	XTCD25-11(...)	CMD00532	CMD00535	CMD00536	CMD00537	CMD00539	2130
	32A	15	1	1	XTCD32-11(...)	CMD00540	CMD00543	CMD00544	CMD00545	CMD00547	4670
	38A	18.5	1	1	XTCD38-11(...)	CMD00548	CMD00551	CMD00552	CMD00553	CMD00555	5670
	40A	18.5	1	1	XTCD40-11(...)	CMD00556	CMD00559	CMD00560	CMD00561	CMD00563	5990
	50A	22	1	1	XTCD50-11(...)	CMD00564	CMD00567	CMD00568	CMD00569	CMD00571	8750
	65A	30	1	1	XTCD65-11(...)	CMD00572	CMD00575	CMD00576	CMD00577	CMD00579	11950
	80A	37	1	1	XTCD80-11(...)	CMD00580	CMD00583	CMD00584	CMD00585	CMD00587	14575
	95A	45	1	1	XTCD95-11(...)	CMD00588	CMD00591	CCMD00592	CMD00593	CMD00595	18285
	115A	55	-	-	XTCD115(...)	CMD00596	CMD00599	CMD00600	CMD00601	CMD00603	22525
	150A	75	-	-	XTCD150(...)	CMD00612	CMD00615	CMD00616	CMD00617	CMD00619	29415
	170A	90	-	-	XTCD170(...)	CMD00628	CMD00631	CMD00632	CMD00633	CMD00635	35250
	180A	95	2	2	XTCD180(...)	XTCD180I22B2	XTCD180I22E2	XTCD180I22AO	-	XTCD180I22DQ	36570
	225A	125	2	2	XTCD1225(...)	XTCD225J22B2	XTCD225J22E2	XTCD225J22AO	-	XTCD225J22DQ	50350
	300A	160	2	2	XTCD300(...)	XTCD300J22B2	XTCD300J22E2	XTCD300J22AO	-	XTCD300J22DQ	60950
	400A	220	2	2	XTCD400(...)	-	XTCD400K22E2	XTCD400K22AO	-	-	78970
	500A	250	2	2	XTCD500(...)	-	XTCD500K22E2	XTCD500K22AO	-	-	104410
	630A	350	2	2	XTCD630(...)	XTCD630L22B2	XTCD630L22E2	XTCD630L22AO	-	XTCD630L22DQ	128500

*Offered as Standard coil up to 170A
For any other coil voltages, please contact Eaton sales office

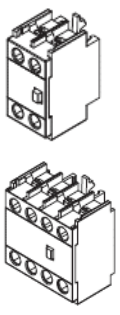
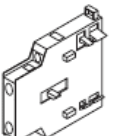
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Control Relays: XTRD



Connection Type	Contacts		Part Number	Article Number					MRP AC Coil
	NO	NC		24V	110V	220V	240V	440V	
Screw Terminals	4	-	XTRD10B...	XTRD10B40B2I	XTRD10B40E2I	XTRD10B40AOI	XTRD10B40H2I	XTRD10B40DQI	1150
Screw Terminals	3	1	XTRD10B...	XTRD10B31B2I	XTRD10B31E2I	XTRD10B31AOI	XTRD10B31H2I	XTRD10B31DQI	1150
Screw Terminals	2	2	XTRD10B...	XTRD10B22B2I	XTRD10B22E2I	XTRD10B22AOI	XTRD10B22H2I	XTRD10B22DQI	1150
Screw Terminals	1	3	XTRD10B...	XTRD10B13B2I	XTRD10B13E2I	XTRD10B13AOI	XTRD10B13H2I	XTRD10B13DQI	1150
Screw Terminals	-	4	XTRD10B...	XTRD10B04B2I	XTRD10B04E2I	XTRD10B04AOI	XTRD10B04H2I	XTRD10B04DQI	1150

Auxiliary Contacts

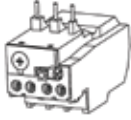

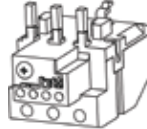
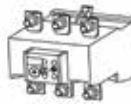
Type	Pole	Contacts	For Use with	Part Number	Article Number	MRP
 Top Mounting	2	2NO -	XTRD10B...	XTCDXFAG20	152430	330
	2	1 NO 1 NC	XTRD10B...	XTCDXFAG11	152431	330
	2	- 2 NC	XTRD10B...	XTCDXFAG02	152432	330
	4	4NO -	XTRD10B...	XTCDXFAG40	152433	565
	4	3NO 1NC	XTRD10B...	XTCDXFAG31	152434	565
	4	2NO 2NC	XTRD10B...	XTCDXFAG22	152435	565
	4	1 NO 3NC	XTRD10B...	XTCDXFAG13	152436	565
	4	- 4NC	XTRD10B...	XTCDXFAG04	152437	565
 Side Mounting	2	1 NO 1 NC	XTRD10B...	XTCDXSAG11	152438	330

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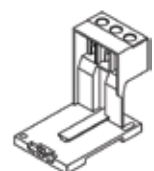
Over Load Relay: XTOD

- IEC 60947, CE
- Phase failure sensitivity
- Direct mounting on XTCD contactor
- Reset push buttons



	Current	Contacts	For Use with	Part Number	Article Number	MRP		
	0.1-0.16A	1 NO 1 NC	XTCD6-11 XTCD9-11 XTCD12-11 XTCD18-11 XTCD25-11 XTCD32-11 XTCD38-11	XTOD18-0.16	CMD00687	1850		
	0.16-0.25A	1 NO 1 NC		XTOD18-0.25	CMD00688	1850		
	0.25-0.4A	1 NO 1 NC		XTOD18-0.4	CMD00689	1850		
	0.4-0.63A	1 NO 1 NC		XTOD18-0.63	CMD00690	1850		
	0.63-1.0A	1 NO 1 NC		XTOD18-1	CMD00691	1850		
	1.0-1.6A	1 NO 1 NC		XTOD18-1.6	CMD00692	1850		
	1.6-2.5A	1 NO 1 NC		XTOD18-2.5	CMD00693	1850		
	2.5-4.0	1 NO 1 NC		XTOD18-4	CMD00694	1850		
	4-6A	1 NO 1 NC		XTOD18-6	CMD00695	1850		
	5.5-8A	1 NO 1 NC		XTOD18-8	CMD00696	1850		
	7-10A	1 NO 1 NC		XTOD18-10	CMD00697	1850		
	9-13A	1 NO 1 NC		XTOD18-13	CMD00698	1850		
	12-18A	1 NO 1 NC		XTOD18-18	CMD00699	2100		
	17-25A	1 NO 1 NC		XTOD18-25	CMD00700	2100		
		23-32A		1 NO 1 NC		XTOD38-32	CMD00701	2100
		30-40A		1 NO 1 NC		XTOD38-40	CMD00702	2400
		23-32A		1 NO 1 NC	XTCD40-11 XTCD50-11 XTCD65-11 XTCD80-11 XTCD95-11	XTOD95-32	CMD00703	4100
30-40A		1 NO 1 NC	XTOD95-40	CMD00704		4100		
37-50A		1 NO 1 NC	XTOD95-50	CMD00705		4100		
48-65A		1 NO 1 NC	XTOD95-65	CMD00706		4100		
55-70A		1 NO 1 NC	XTOD95-70	CMD00707		4100		
63-80A		1 NO 1 NC	XTOD95-80	CMD00708		4100		
80-93A		1 NO 1 NC	XTOD95-93	CMD00709		12500		
55-80A		1 NO 1 NC	XTOD170-80	CMD00710		12500		
63-90A		1 NO 1 NC	XTOD170-90	CMD00711		12500		
80-110A		1 NO 1 NC	XTOD170-110	CMD00712		12500		
	90-120A	1 NO 1 NC	XTCD115 XTCD50-11 XTCD170	XTOD170-120	CMD00713	12500		
	110-135A	1 NO 1 NC		XTOD170-135	CMD00714	12500		
	120-150A	1 NO 1 NC		XTOD170-150	CMD00715	12500		
	135-160A	1 NO 1 NC		XTOD170-160	CMD00716	14050		
	150-180A	1 NO 1 NC		XTOD170-180	CMD00717	14050		

Independent mounting adaptor for OLR


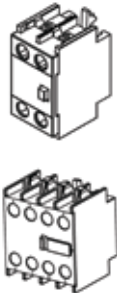


For Use With	Part Number	Article Number	MRP
XTOD18	XTOD18-BS	CMD00718	670
XTOD38	XTOD38-BS	CMD00719	670
XTOD95	XTOD95-BS	CMD00720	1050


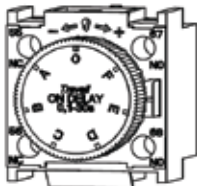
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Accessories

Auxiliary Contact

	Current	Pole	Contacts	For Use with	Part Number	Article Number	MRP
	Side Mounting	2	1 NO 1 NC	XTCD6-11 ~ XTCD95-11	XTCD95-XHI11-S	CMD00644	On Request
	Top Mounting	2	2 NO -	XTCD6-11 ~ XTCD170	XTCD170-XHI20	CMD00646	480
		2	- 2 NC		XTCD170-XHI02	CMD00647	480
		2	1 NO 1 NC		XTCD170-XHI11-S	CMD00645	On Request
		4	4 NO -		XTCD170-XHI40	CMD00649	480
		4	3 NO 1 NC		XTCD170-XHI31	CMD00650	615
		4	2 NO 2 NC		XTCD170-XHI22	CMD00651	615
		4	1 NO 3 NC		XTCD170-XHI13	CMD00652	615
		4	- 4 NC		XTCD170-XHI04	CMD00653	615

Pneumatic Delay Timers

	Category	Time Range	For Use with	Part Number	Article Number	MRP
	0.1-3S	Power On Delay	XTCD6-11 ~ XTCD95-11	XTCD95-TDM003	CMD00654	1150
	0.1-30S			XTCD95-TDM030	CMD00655	1150
	10-180S			XTCD95-TDM180	CMD00655	1150
	0.1-3S	Power OFF Delay		XTCD95-TDB003	CMD00657	1150
	0.1-30S			XTCD95-TDB030	CMD00658	1150
	10-180S			XTCD95-TDB180	CMD00659	1150
	0.1-3S	Power On Delay	XTCD115 XTCD150 XTCD170	XTCD170-TDM003	CMD00660	1430
	0.1-30S			XTCD170-TDM030	CMD00661	1430
	10-180S			XTCD170-TDM180	CMD00662	1430
	0.1-3S	Power OFF Delay		XTCD170-TDB003	CMD00663	1430
	0.1-30S			XTCD170-TDB030	CMD00664	1430
	10-180S			XTCD170-TDB180	CMD00665	1430

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Accessories

Surge Suppressor



Voltage	For Use With	Part Number	Article Number	MRP
24-48V	XTCD6-11 ~ XTCD38-1	XTCD38-SA(24-48VAC)	CMD00666	1360
110-230V		XTCD38-SA(110-230VAC)	CMD00667	1360
380-440V		XTCD38-SA(380-400VAC)	CMD00668	1360
24V	XTCD40-11 ~ XTCD95-11	XTCD95-SA(24VAC)	CMD00669	1360
110V		XTCD95-SA(110VAC)	CMD00672	1360
220V		XTCD95-SA(220VAC)	CMD00673	1360

Mechanical Interlock



For Use With	Part Number	Article Number	MRP
XTCD6-11~XTCD38-11	XTCD38-MIL	CMD00680	690
XTCD40-11~XTCD95-11	XTCD65-MIL	CMD00681	726
XTCD115 XTCD150 XTCD170	XTCD95-MIL	CMD00682	1950

Anti-Dust Cover




For Use With	Part Number	Article Number	MRP
XTCD6-11~XTCD18-11	XTCD18-CV	CMD00684	60
XTCD25-11~XTCD95-11	XTCD95-CV	CMD00685	80
XTCD115 XTCD150 XTCD170	XTCD170-CV	CMD00686	480

Contactors

Mini Contactor & Control Relay - DILE...


- Compact size
- Interlocked opposing auxiliary contacts - high degree of safety
- Up to 4 Add on auxiliary contacts
- Low coil consumption - energy savings
- Inbuilt suppressor in DC coil version
- Accessories: Mechanical Interlock, Reverser & Star Delta Wiring Kit, etc.

Mini Contactor-DILEM, 3 Pole	AC-3 at 400V (A)	Auxiliary Contacts	Part No.	MRP.	Part No.	MRP.	
			AC-Coil		DC-Coil		
	6.6	1 N/O	–	DILEEM-10(...)	1570	DILEEM-10-G(...)	2180
	6.6	–	1 N/C	DILEEM-01(...)	1570	DILEEM-01-G(...)	2180
	9	1 N/O	–	DILEM-10(...)	1650	DILEM-10-G(...)	2550
	9	–	1 N/C	DILEM-01(...)	1650	DILEM-01-G(...)	2550
	12	1 N/O	–	DILEM12-10(...)	1800	DILEM12-10-G(...)	2690
	12	–	1 N/C	DILEM12-01(...)	1800	DILEM12-01-G(...)	2690

To order please complete the part no. by adding voltage suffix and mention Article No., (Select from table below)

Coil Voltage	DILEEM-10(...)	DILEEM-01(...)	DILEM-10(...)	DILEM-01(...)	DILEM12-10(...)	DILEM12-01(...)
AC	Article No.					
42/48V, 50/60HZ	51612	51637	51782	51791		
110/120V, 50/60HZ	51611	51636	51783	51792	127072	127088
220/240V, 50/60HZ	51609	51634	51785	51794		
230/240V, 50/60HZ	51608	51633	51786	51795	127075	127091
415/480V, 50/60HZ	51605	51630	51789	51798		
24V 50/60Hz	51596	51621	21417	20402	127079	127095
DC Coil Voltage						
12V DC	51644		79594	79642		
24V DC	51643	51650	10213	10343	127132	127137
48V DC		51648	10245	10496		
110V DC	51640	51646	10309	10136		
220V DC	51639		10325	10168		

For all other coil voltages, please contact Eaton sales office.

Mini Control Relay - DILER, 4 Pole	Auxiliary Contacts	Part No.	MRP.	Part No.	MRP.	
		AC-Coil		DC-Coil		
	4 N/O	–	DILER-40(...)	1705	DILER-40-G(...)	2320
	3 N/O	1 N/C	DILER-31(...)	1705	DILER-31-G(...)	2320
	2 N/O	2 N/C	DILER-22(...)	1705	DILER-22-G(...)*	2320

Part No.	DILER-40(...)	DILER-31(...)	DILER-22(...)
AC Coil Voltage	Article No.		
48V 50Hz	10190	10044	10201
110/120V, 50/60Hz	51756	51765	51774
220/240V, 50/60Hz	51758	51767	51776
230/240V, 50/60Hz	51759	51768	51777
415/480V, 50/60Hz	51762		51780
24V 50/60Hz	21924	21594	21704
42V 50/60Hz		29869	29433
DC Coil Voltage			
12V DC	79711	79761	80728
24V DC	10223	10157	10042
48V DC	10255	10205	10346
110V DC	10287	10253	10043
220V DC	10303	10269	10091

For all other coil voltages, please contact Eaton sales office.


*DILER-22-G Add-on-Block can't be mounted

Control Relay: DILA and Power Contactor: 3 Pole DILM






- Global Approvals: IEC, UL, CSA, CE
- Low Coil Consumption: Energy Savings
- High Electrical Lifespan
- Double Box Terminals: High Wiring Integrity & Reliability
- Coil Terminals on front as standard for quick & easy wiring
- Type 2 Coordinated Starters with PKZ MPCB's & NZM MCCB's
- Electronic Actuated Coil version available - Contact Eaton

DC Operated added benefits

- Electronic actuated Coil as standard from 17A - 170A, Optional 185A onwards
- Suppressor Integrated into Coil Circuit: Cost savings, Easy engineering
- Direct actuation by PLC upto 32A: No need for coupler relays
- Same dimension as AC operated contactor: Easy engineering
- Wide band coil (0.7 - 1.3) as standard from 17A - 170A: Reliable performance

Control Relay - DILA	AC-15 at 400V (A)	Auxiliary Contacts	Part No.	MRP.	Part No.	MRP.	
	Screw Terminals		AC-Coil		DC-Coil		
	4	4 N/O	–	DILA-40(...)	1650	DILA-40(...)	2430
	4	3 N/O	1 N/C	DILA-31(...)	1650	DILA-31(...)	2430
	4	2 N/O	2 N/C	DILA-22(...)	1650	DILA-22(...)	2430
	Spring Loaded Terminals						
	4	4 N/O	–	DILAC-40(...)	On Request	DILAC-40(...)	On Request
	4	3 N/O	1 N/C	DILAC-31(...)		DILAC-31(...)	
	4	2 N/O	2 N/C	DILAC-22(...)		DILAC-22(...)	

To order please complete the part no. by adding Voltage Suffix and mention Article No.

Power Contactor, 3 Pole	AC-3 at 400V (A)	Motor KW at 400V, 50Hz	Auxiliary Contacts	Part No.	MRP. AC-Coil	MRP. DC-Coil	
	7	3	1 N/O	–	DILM7-10(...)	1430	2051
	7	3	–	1 N/C	DILM7-01(...)	1430	2051
	9	4	1 N/O	–	DILM9-10(...)	1507	2401
	9	4	–	1 N/C	DILM9-01(...)	1507	2401
	12	5.5	1 N/O	–	DILM12-10(...)	1717	2518
	12	5.5	–	1 N/C	DILM12-01(...)	1717	2518
	15	7.5	1 N/O	–	DILM15-10(...)	1856	2948
	15	7.5	–	1 N/C	DILM15-01(...)	1856	2948
	17	7.5	1 N/O	–	DILM17-10(...)	2585	4933
	17	7.5	–	1 N/C	DILM17-01(...)	2585	4933
	25	11	1 N/O	–	DILM25-10(...)	2691	5226
	25	11	–	1 N/C	DILM25-01(...)	2691	5226
	32	15	1 N/O	–	DILM32-10(...)	5305	9853
	32	15	–	1 N/C	DILM32-01(...)	5305	9853
	38	18.5	1 N/O	–	DILM38-10(...)	7754	11464
	38	18.5	–	1 N/C	DILM38-01(...)	7754	11464
	40	18.5	–	–	DILM40(...)	8242	12381
	50	22	–	–	DILM50(...)	10139	16414
	65	30	–	–	DILM65(...)	14400	18471
	72	37	–	–	DILM72(...)	17077	21317
	80	37	–	–	DILM80(...)	17792	22414
	95	45	–	–	DILM95(...)	22244	27412
	115	55	–	–	DILM115(...)	27624	32065
	150	75	–	–	DILM150(...)	36835	41234
	170	90	–	–	DILM170(...)	43200	49947
		185	90	2 NO	2 NC	DILM185A/22(...)	47912
225		110	2 NO	2 NC	DILM225A/22(...)	52565	57150
250		132	2 NO	2 NC	DILM250/22(...)	67252	69800
300		160	2 NO	2 NC	DILM300A/22(...)	81731	84820
400		200	2 NO	2 NC	DILM400/22(...)	98607	102350
500		250	2 NO	2 NC	DILM500/22(...)	131509	136500

- To order please complete the part no. by adding Voltage Suffix and mention Article No.
- For Power Contactors with spring loaded terminal, please contact Eaton sales office

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Voltage Suffix and Article Numbers for ordering

Coil Voltage	DILA-40(...)	DILA-31(...)	DILA-22(...)	DILAC-40(...)	DILAC-31(...)	DILAC-22(...)
AC	Article No.					
110/120V, 50/60HZ	276326	276361	276396	276438	276470	276502
220/240V, 50/60HZ	276328	276363	276398			
230/240V, 50/60HZ	276329	276364	276399	276441	276473	276505
400/440V, 50/60HZ	276331	276366	276401			
24V 50/60Hz	276333	276368	276403	276445	276477	276509
42V 50/60Hz	276334		276404			
DC Coil Voltage						
24V DC	276344	276379	276414	276456	276488	276520
48V DC	276345	276380	276415			
110V DC	276347	276382	276417	276459	276491	276523
220V DC	276348	276383	276418	276460	276492	276524

For all other coil voltages, please contact EATON sales office.

Coil Voltage	DILM7-10(...)	DILM7-01(...)	DILM9-10(...)	DILM9-01(...)	DILM12-10(...)	DILM12-01(...)
AC	Article No.					
42/48V, 50/60HZ	276546		276686		276826	
110/120V, 50/60HZ	276547	276582	276687	276722	276827	276862
220/240V, 50/60HZ	276549	276584	276689	276724	276829	276864
230/240V, 50/60HZ	276550	276585	276690	276725	276830	276865
24V 50/60Hz	276554	276589	276694	276729	276834	276869
400/440V, 50/60Hz	276552	276587	276992	276727	276832	276867
DC Coil Voltage						
24V	276565	276600	276705	276740	276845	276880
48V	276566	276601	276706	276741	276846	276881
110V	276568	276603	276708	276743	276848	276883
220V	276569	276604	276709	276744	276849	276884

Coil Voltage	DILM15-10(...)	DILM15-01(...)	DILM17-10(...)	DILM17-01(...)	DILM25-10(...)	DILM25-01(...)
AC	Article No.					
42/48V, 50/60HZ			277000		277128	
110/120V, 50/60HZ	290055	290090	277001	277033	277129	277161
190/220V, 50/60HZ			277002		277130	
220/240V, 50/60HZ			277003		277131	
230/240V, 50/60HZ	290058	290093	277004	277036	277132	277164
380/440V, 50/60HZ			277005		277133	
400/440V, 50/60HZ			277006	277038	277134	277166
415/480V, 50/60HZ			277007		277135	
24V 50/60Hz	290062	290097	277008	277040	277136	277168
42V 50/60Hz			277009		277137	
110V 50/60Hz			277010	277042	277138	277170
220V 50/60Hz			277011	277043	277139	277171
230V 50/60Hz	290066	290101	277012	277044	277140	277172
DC Coil Voltage						
24V	290073	290108				
RDC24			277018	277050	277146	277178
RDC60			277019		277147	
RDC130			277020	277052	277148	277180
RDC240			277021	277053	277149	277181

Note:-

RDC 48(24-48VDC)
 RA 110(48-110V,40-60Hz / 48-110VDC)
 RA 250(110-250V,40-60Hz / 110-250VDC)
 RAC 500(250-500V,40-60Hz), DC on Request

RDC 24(24-27V DC)
 RDC 60(48-60V DC)
 RDC 130(110-130V DC)
 RDC 240(200-240V DC)

RAC 24(24V)
 RAC 48(42-48V)
 RAC 120(100-120V)
 RAC 240(190-240V)
 RAC 440(380-440V)
 RAC 500(480-500V)

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Voltage Suffix and Article Numbers for ordering

Coil Voltage	DILM32-10(...)	DILM32-01(...)	DILM38-10(...)	DILM38-01(...)	DILM40(...)	DILM50(...)
AC	Article No.					
110/120V, 50/60HZ	277257	277289	112425	112453	277763	277827
220/240V,50/60HZ	277259	277291	112427	–	277765	277829
230/240V,50/60HZ	277260	277292	112428	112456	277766	277830
415/480V,50/60HZ	277263	277295	112431	–	277769	277833
24V 50/60HZ	277264	277296	112432	112460	277770	277834
42V 50/60HZ	277265	–	112433	–	277771	277835
110V 50/60HZ	277266	277298	112434	112462	277772	277836
220V 50/60HZ	277267	277299	112435	112463	277773	277837
230V 50/60HZ	277268	277300	112436	112464	277774	277838
DC Coil Voltage						
RDC24	277274	277306	112442	112470	277780	277844
RDC60	277275	277307	112443		277781	277845
RDC130	277276	277308	112444		277782	277846
RDC240	277277	277309	112445		277783	277847

Coil Voltage	DILM65(...)	DILM72(...)	DILM80(...)	DILM95(...)
AC	Article No.			
110,120V,50/60HZ	277891	109191	239399	239477
220/240V,50/60HZ	277893	109193	239401	239479
230/240V,50/60HZ	277894	107670	239402	239480
24V 50/60HZ	277898	109197	239406	239484
42V 50/60HZ	277899	–		
DC Coil Voltage				
RDC24	277908	107671	239416	239510
RDC60	277909	–		
RDC130	277910	109208	239418	239512
RDC240	277911	109209	239419	239513

Coil Voltage	DILM115(...)	DILM150(...)	DILM170(...)	DILM185A/22(...)	DILM225A/22(...)
AC	Article No.				
RAC24	239545	239585	107010	139534	139544
RAC48			107011		
RAC120	239547	239587	107012	139536	139546
RAC240	239548	239588	107013	139537	139547
RAC440	239549	239589	107014	139538	139548
RAC500	239550	239590	107015	139539	139549
DC Coil Voltage					
RDC24	239555	239591	107016	139540	139550
RDC60	239560		107017	139541	139551
RDC130	239567	239593	107018		139552
RDC240	239572	239594	107019	139543	139553


Coil Voltage	DILM250/22(...)	DILM300A/22(...)	DILM400/22(...)	DILM500/22(...)
AC	Article No.			
RDC48	208199	139554	208207	208211
RA110	208200	139555	208208	208212
RA250	208201	139556	208209	208213
RAC500	208202	139557	208210	208214
110-120V 50/60Hz	274189	139558	274195	274198
220 240V 50/60Hz	274190	139559	274196	274199

For all other coil voltages, please contact EATON sales office.

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Vaccum Contactors - Type DILM

- Global Approvals: IEC, UL, CSA, CE
- Ideal for high dust and high switching duty applications
- Direct actuation from PLC
- Switching in Vaccum - very high electrical life
- Low coil consumption: Energy savings

AC-3 at 400V (A)	AC-3 at 400V (A)	Motor KW at 400V, 50Hz	Auxiliary Contacts		Part No.	MRP.
						AC & DC-Coil
	580	315	2 NO	2 NC	DILM580/22(...)	369000
	650	355	2 NO	2 NC	DILM650/22(...)	391500
	750	400	2 NO	2 NC	DILM750/22(...)	556000
	820	450	2 NO	2 NC	DILM820/22(...)	585000
	1000	560	2 NO	2 NC	DILM1000/22(...)	On request
	1600	900	2 NO	2 NC	DILM1600/22(...)	


For lower rating vaccum contactors, please contact EATON sales office.

To order please complete the part no. by adding Voltage suffix and mention Article No., (Select from next table)

Coil Voltage	DILM580/22(...)	DILM650/22(...)	DILM750/22(...)	DILM820/22(...)	DILM1000/22(...)	DILM1600/22(...)
AC/DC	Article No.					
RA110	208215	208218	208221	208224	-	-
RA250	208216	208219	208222	208225	267214	-
RAC500	208217	208220	208223	208226	271990	-

Capacitor Duty Contactor - DILK

- Welding - resistant for capacitors with inrush current peaks up to $180 \times I_N$
- The capacitors are pre-charged via the early-make auxiliary contacts
- DILK..., cannot be combined with other auxiliary contacts
- With group compensation multi-stage capacitor banks are connected to the mains are required
- The contactors for capacitors are weld-resistant with inrush current peaks up to $180 \times I_N$ due to their special contacts

Capacitor-Duty Contactor-DILK	KVAR 400V,3ph,50/60 Hz	Auziliary Contacts	Part No.	MRP.
	12.5	1 NO + 1 NC	DILK12-11(...)	5200
	20	1 NO + 1 NC	DILK20-11(...)	6350
	25	1 NO + 1 NC	DILK25-11(...)	6650
	33.3	1 NO	DILK33-10(...)	15500
	50	1 NO	DILK50-10(...)	21650


To order please complete the part no. by adding Voltage suffix and mention Article No., (Select from next table)

Coil Voltage	DILK12-11(...)	DILK20-11(...)	DILK25-11(...)	DILK33-10(...)	DILK50-10(...)
AC	Article No.				
230/240V, 50/60HZ	293988	294010	294032	294054	294076
400/440V, 50/60HZ	293990	294012	294034	294056	294078

For all other coil voltages, please contact EATON sales office.

Power Contactors - DILMP, 4 Pole

- Global Approvals: IEC, UL, CSA, CE
- High Electrical Lifespan
- Coil terminates on front as standard for quick & easy wiring
- Suppressor integrated in all DC Coil contactors and in electronic coil actuated AC contactors
- Low coil consumption: Energy savings
- Double box terminals: High wiring integrity & reliability
- Electronic actuated coils: Extremely low consumption, high energy savings

Power Contactors -DILMP, 4 Pole	AC-1 Amps	Main Contacts	Auxiliary Contacts		Part No.	MRP.	Part No.	MRP.
					AC Operated		DC Operated	
	22	4NO	–	–	DILMP20(...)	2226	DILMP20(...)	On Request
	32	4NO	1NO	–	DILMP32-10(...)	5000	DILMP32-10(...)	On Request
	32	4NO	–	1NC	DILMP32-01(...)	5000	DILMP32-01(...)	5500
	45	4NO	1NO	–	DILMP45-10(...)	8000	DILMP45-10(...)	7250
	45	4NO	–	1NC	DILMP45-01(...)	3960	DILMP45-01(...)	7250
	63	4NO	–	–	DILMP63(...)	17800	DILMP63(...)	13500
	80	4NO	–	–	DILMP80(...)	16921	DILMP80(...)	18501
	125	4NO	–	–	DILMP125(...)	23600	DILMP125(...)	24400
	160	4NO	–	–	DILMP160(...)	24400	DILMP160(...)	27500
	200	4NO	–	–	DILMP200(...)	28460	DILMP200(...)	33149

To order please complete the part no. by adding Voltage Suffix and mention Article No.,(Select from table below)

Coil Voltage	DILMP20(...)	DILMP32-10(...)	DILMP32-01(...)	DILMP45-10(...)	DILMP45-01(...)	DILMP63(...)
AC/DC	Article No.					
110,120V,50/60HZ	276967	109790	118912	109819	119815	109848
230/240V,50/60HZ	276970	109797	118911	109826	119814	109855
24V 50/60HZ	276974	109799	191943	109828	–	109857
230V 50/60HZ	276978	109796	–	109825	–	109883
DC Coil Voltage						
24V DC	276985	–	–	–	–	–
RDC24	–	109811	118913	109840	118916	109869


Coil Voltage	DILMP80(...)	DILMP125(...)	DILMP160(...)	DILMP200(...)
AC/DC	Article No.			
110,120V,50/60HZ	109887	–	–	–
230/240V,50/60HZ	109884	–	–	–
RAC120(100-120V 50/60HZ)	–	109903	109913	109923
RAC240	–	109905	109915	109925
RAC24	–	109904	109914	109924
DC Coil Voltage				
RDC24	109898	109910	109920	109930

For all other coil voltages, please contact EATON sales office.

Contactor Accessories


Auxiliary Contact Modules for Mini Contactors

- Interlocked opposing contacts - High reliability and safety

Auxiliary Contact Modules for Mini Contactors	Pole	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	2 Pole	– 2 N/C	DILEEM DILEM DILEM12 DILER DILEM4	02DILE	010240	460
		1 N/O 1 N/C		11DILE	010224	460
		2 N/O –		20DILE	010208	460
	4 Pole	– 4 N/C		04DILE	010256	750
		1 N/O 3 N/C		13DILE	002397	750
		2 N/O 2 N/C		22DILE	010288	750
		3 N/O 1 N/C		31DILE	048912	750
		4 N/O		40DILE	010304	750

Auxiliary Contact Modules for Contactors

- Interlocked opposing contacts - High reliability and safety

Auxiliary Contact Modules for Contactors	Pole	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	2 Pole	– 2 N/C	DILM7...DILM38 DILMP20...DILMP45 DILA... DILL...	DILA-XHI02	276420	460
		1 N/O 1 N/C		DILA-XHI11	276421	430
		2 N/O –		DILA-XHI20	276422	430
	4 Pole	– 4 N/C		DILA-XHI04	276424	830
		1 N/O 3 N/C		DILA-XHI13	276425	780
		2 N/O 2 N/C		DILA-XHI22	276426	780
		3 N/O 1 N/C		DILA-XHI31	276427	780
		4 N/O		DILA-XHI40	276428	780

Auxiliary Contacts	For Use With Contactor	Part No.	Article No.	MRP.
2 N/O –	DILM40...DILM170 DILMP63...DILMP200 DILMF40...DILMF150	DILM150-XHI20	277945	495
1 N/O 1 N/C		DILM150-XHI11	277946	495
1 N/O 1 N/C		DILM150-XHIA11	283463	495
– 2 N/C		DILM150-XHI02	277947	495
4 N/O –		DILM150-XHI40	277948	755
3 N/O 1 N/C		DILM150-XHI31	277949	755
2 N/O 2 N/C		DILM150-XHI22	277950	755
2 N/O 2 N/C		DILM150-XHIA22	283464	755
1 N/O 3 N/C		DILM150-XHI13	277951	755
– 4 N/C		DILM150-XHI04	277952	755

Side Mounting, Screw Terminal

Auxiliary Contacts	For Use With Contactor	Part No.	Article No.	MRP.
1 N/O –	DILM7...DILM15 DILMP20 DILA...	DILA-XHI10-S	115948	795
– 1 N/C		DILA-XHI01-S	115949	795
1 N/O 1 N/C	DILM17...DILM38	DILM32-XHI11-S	101371	832
1 N/O 1 N/C	DILM250...DILH2600	DILM820-XHI11-SI	208281	853
1 N/O 1 N/C		DILM820-XHI11-SA	208282	853
1 N/O 1 N/C	DILM40...DILM225A DILMP63...DILMP200 DILMF40...DILMF95	DILM1000-XHI11-SI	278425	853
1 N/O 1 N/C		DILM1000-XHI11-SA	278427	853

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Suppressor


Suppressor	For Use With	Voltage	Part No.	Article No.	MRP.
RC- Suppressors	DILE...	24 - 48	RCDILE48	044264	770
		110 - 250	RCDILE250	046320	770
	DILM7 - DILM15 DILMP20 DILA	24 - 48	DILM12-XSPR48	281199	705
		110 - 240	DILM12-XSPR240	281200	705
		240 - 500	DILM12-XSPR500	281201	705
	DILM17 - DILM32 DILK12 - DILK25 DILL DILMP32 - DILMP45	24 - 48	DILM32-XSPR48	281202	890
		110 - 240	DILM32-XSPR240	281203	890
		240 - 500	DILM32-XSPR500	281204	890
	DILM40 - DILM95 DILK33 - DILK50 DILMP63-DILMP200	24 - 48	DILM95-XSPR48	281205	1055
		110 - 240	DILM95-XSPR240	281206	1055
		240 - 500	DILM95-XSPR500	281207	1055
	Varistor- Suppressors	DILE...	24 - 48	VGDILE48	010320
48 - 130			VGDILE130	150681	630
110 - 250			VGDILE250	010336	630
380 - 415			VGDILE415	010463	660
DILM7 - DILM15 DILMP20 DILA		24 - 48	DILM12-XSPV48	281208	695
		48 - 130	DILM12-XSPV130	281209	695
		130 - 240	DILM12-XSPV240	281210	695
		240 - 500	DILM12-XSPV500	281211	695
DILM17 - DILM32 DILK12 - DILK25 DILL DILMP32 - DILMP45		24 - 48	DILM32-XSPV48	281212	890
		48 - 130	DILM32-XSPV130	281213	890
		110 - 240	DILM32-XSPV240	281214	890
		240 - 500	DILM32-XSPV500	281215	890
DILM40 - DILM95 DILK33 - DILK50 DILMP63-DILMP200		24 - 48	DILM95-XSPV48	281216	1055
		48 - 130	DILM95-XSPV130	281217	1055
		130 - 240	DILM95-XSPV240	281218	1055
		240 - 500	DILM95-XSPV500	281219	1055

Mechanical Interlock


For Use With	Part No.	Article No.	MRP.
DILE...	MVDILE	010113	705
DILM7...DILM15, DILMP20, DILA	DILM12-XMV	281196	424
DILM17..DILM38, DILMP32...DILMP45, DILMF8...DILMF32	DILM32-XMV	281197	424
DILM40...DILM72,DILMP63...DILMP80, DILMF40...DILMF65	DILM65-XMV	281198	424
DILM80...DILM170, DILMP125..DILMP200, DILMF80, DILMF150	DILM150-XMV	240081	6400
DILM185A, 225A, 250, 300A, 400, 500	DILM500-XMV	208289	6400
DILM580, 650, 750, 820, 1000	DILM820-XMV	208288	On Request

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PKZM01 - Motor Protective Circuit Breaker, Push Button Type

KA (Iq) Rating at 400/415v	Rated Current (A)	Over Load Range (A)	Part No.	Article No.	MRP
 <p>50KA</p>	0.16	0.1 - 0.16	PKZM01 - 0.16	278475	4910
	0.25	0.1.6 - 0.25	PKZM01 - 0.25	278476	4910
	0.4	0.25 - 0.4	PKZM01 - 0.4	278477	4910
	0.63	0.4 - 0.63	PKZM01 - 0.63	278478	5525
	1	0.63 - 1	PKZM01 - 1	278479	5620
	1.6	1 - 1.6	PKZM01 - 1.6	278480	5620
	2.5	1.6 - 2.5	PKZM01 - 2.5	278481	5730
	4	2.5 - 4	PKZM01 - 4	278482	5985
	6.3	4 - 6.3	PKZM01 - 6.3	278483	5985
	10	6.3 - 10	PKZM01 - 10	278484	6160
	12	8 - 12	PKZM01 - 12	278485	6720
	16	10 - 16	PKZM01 - 16	283390	7570
	20	16 - 20	PKZM01 - 20	283383	8750
25	20 - 25	PKZM01 - 25	288893	9100	

PKZM0 - Motor Protective Circuit Breaker, Rotary knob Type

KA (Iq) Rating at 400/415v	Rated Current (A)	Over Load Range (A)	Part No.	Article No.	MRP
 <p>150 kA</p> <p>50 kA</p>	0.16	0.1 - 0.16	PKZM0 - 0.16	072730	4960
	0.25	0.1.6 - 0.25	PKZM0 - 0.25	072731	4960
	0.4	0.25 - 0.4	PKZM0 - 0.4	072732	4960
	0.63	0.4 - 0.63	PKZM0 - 0.63	072733	5575
	1	0.63 - 1	PKZM0 - 1	072734	5670
	1.6	1 - 1.6	PKZM0 - 1.6	072735	5670
	2.5	1.6 - 2.5	PKZM0 - 2.5	072736	5780
	4	2.5 - 4	PKZM0 - 4	072737	6035
	6.3	4 - 6.3	PKZM0 - 6.3	072738	6035
	10	6.3 - 10	PKZM0 - 10	072739	6210
	12	8 - 12	PKZM0 - 12	0278486	6770
	16	10 - 16	PKZM0 - 16	046938	7620
	20	16 - 20	PKZM0 - 20	046988	8800
	25	20 - 25	PKZM0 - 25	046989	9150
	32	25 - 32	PKZM0 - 32	278489	14250

PKZM4 - Motor Protective Circuit Breaker, Rotary knob Type


KA (Iq) Rating at 400/415v	Rated Current (A)	Over Load Range (A)	Part No.	Article No.	MRP
150 kA	16	10 - 16	PKZM4 - 16	222350	18700
	25	16 - 25	PKZM4 - 25	222352	18700
50 kA	32	25 - 32	PKZM4 - 32	222353	18700
	40	32 - 40	PKZM4 - 40	222354	18800
	50	40 - 50	PKZM4 - 50	222355	23300
	58	50 - 58	PKZM4 - 58	222394	23300
	63	55 - 63	PKZM4 - 63	222413	23300


Accessories


Type			Part No.	Article No.	MRP
Auxiliary Contacts					
Front Mounted	1N/O	-	NHI-E-10-PKZ0	082884	835
	1N/O	1N/C	NHI-E-11-PKZ0	082882	1027
	-	1N/C	NHI-E-01-PKZ0-C	229682	1610
Side Mounted	1N/O	1N/C	NHI11-PKZ0	072896	1316
	1N/O	2N/C	NHI12-PKZ0	072895	1316
	2N/O	1N/O	NHI21-PKZ0	072894	1594
Trip Contact	2N/O	-	AGM2-10-PKZ0	072898	2087
	-	2N/C	AGM2-01-PKZ0	072899	2087
Shunt Release	AC DC	230V	A-PKZ0	073187	2943
		24V	A-PKZ0	073200	2943
UV Release	AC	230V	U-PKZ0	073135	2943
Rotary Handle, IP65	Rotary Handle, Black		PKZ0-XH	106132	3504
	Rotary Handle, Red-Yellow		PKZ0-XRH	106133	4382
IP 65 Enclosure	PKZM01		CI-PKZ01-G	281404	3538
			CI-PKZ01-SVB	281405	4580
			CI-PKZ01-PVT	281406	6725
	PKZM0		CI-K2-PKZ0-G	219654	4965
			CI-K2-PKZ0-GR	219655	5109
	PKZM4		CI-K4-PKZ4-G	225524	10028
			CI-K4-PKZ4-GR	225525	10028


Overload Relay

- Phase failure sensitivity to IEC/EN 60947, VDE 0660 Part 102
- Reset push button
- Direct mounting
- Test/off push button
- Trip-free release


ZE...	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	0.1 - 0.16	1 N/O + 1 N/C	DILE... DIULEM/21/MV SDAINLEM	ZE-0.16	014263	2426
	0.16 - 0.24			ZE-0.24	014285	2426
	0.24 - 0.4			ZE-0.4	014300	2426
	0.4 - 0.6			ZE-0.6	014333	2426
	0.6 - 1			ZE-1.0	014376	2426
	1 - 1.6			ZE-1.6	014432	2426
	1.6 - 2.4			ZE-2.4	014479	2426
	2.4 - 4			ZE-4	014518	2426
	4 - 6			ZE-6	014565	2426
	6 - 9			ZE-9	014708	2453
	9 - 12			ZE-12	014752	2453


ZB12	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	0.1 - 0.16	1 N/O + 1 N/C	DILM7...DILM15	ZB12-0.16	278431	2426
	0.16 - 0.24			ZB12-0.24	278432	2426
	0.24 - 0.4			ZB12-0.4	278433	2426
	0.4 - 0.6			ZB12-0.6	278434	2426
	0.6 - 1			ZB12-1	278435	2426
	1 - 1.6			ZB12-1.6	278436	2426
	1.6 - 2.4			ZB12-2.4	278437	2426
	2.4 - 4			ZB12-4	278438	2426
	4 - 6			ZB12-6	278439	2426
	6 - 10			ZB12-10	278440	2453
	9 - 12			ZB12-12	278441	2453
	12 - 16			ZB12-16	290168	2492

ZB32	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	0.1 - 0.16	1 N/O + 1 N/C	DILM17...DILM38	ZB32-0.16	278442	2660
	0.16 - 0.24			ZB32-0.24	278443	2660
	0.24 - 0.4			ZB32-0.4	278444	2660
	0.4 - 0.6			ZB32-0.6	278445	2660
	0.6 - 1			ZB32-1	278446	2660
	1 - 1.6			ZB32-1.6	278447	2660
	1.6 - 2.4			ZB32-2.4	278448	2660
	2.4 - 4			ZB32-4	278449	2660
	4 - 6			ZB32-6	278450	2660
	6 - 10			ZB32-10	278451	2680
	10 - 16			ZB32-16	278452	2680
	16 - 24			ZB32-24	278453	4470
	24 - 32			ZB32-32	278454	4700
	32 - 38			ZB32-38	112474	4700


ZB65	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	6 - 10	1 N/O + 1 N/C	DILM40...DILM72	ZB65-10	278455	5616
	10 - 16			ZB65-16	278456	5616
	16 - 24			ZB65-24	278457	5616
	24 - 40			ZB65-40	278458	5308
	40 - 57			ZB65-57	278459	8344
	50 - 65			ZB65-65	278460	8344
	65 - 75			ZB65-75	108792	8795

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ZB150	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	35 - 50	1 N/O + 1 N/C	DILM80...DILM170	ZB150-50	278462	18442
	50 - 70			ZB150-70	278463	18442
	70 - 100			ZB150-100	278464	18442
	95 - 125			ZB150-125	278465	18442
	120 - 150			ZB150-150	278466	18442
	145 - 175			ZB150-175	107316	19910


Z5	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	50 - 70	1 N/O + 1 N/C	DILM185 DILM225	Z5-70/FF225A	139572	22128
	70 - 100			Z5-100/FF225A	139573	22128
	95 - 125			Z5-125/FF225A	139574	22128
	120 - 160			Z5-160/FF225A	139575	22128
	160 - 220			Z5-220/FF225A	139576	22128
	200 - 250			Z5-250/FF225A	139577	22128
	50 - 70	DILM250		Z5-70/FF2250	210070	22128
	70 - 100			Z5-100/FF2250	210071	22128
	95 - 125			Z5-125/FF2250	210072	22128
	120 - 160			Z5-160/FF2250	210073	22128
	160 - 220			Z5-220/FF2250	210074	22128
	200 - 250			Z5-250/FF2250	210075	22128
	200 - 300	DILM300		Z5-300/FF2250	139578	23602

ZW7 Current Transformer - Operated Overload Relay

ZW7	Setting Range of O/L release (A)	Auxiliary Contacts	For use with Contactor	Part No.	Article No.	MRP.
	42 - 63	1 N/O + 1 N/C		ZW7-63	000245	22128
	60 - 90			ZW7-90	002618	22128
	85 - 125			ZW7-125	004991	22128
	110 - 160			ZW7-160	007364	23602
	160 - 240			ZW7-240	009737	23602
	190 - 290			ZW7-290	052448	23602
	270 - 400			ZW7-400	045329	23602
	360 - 540			ZW7-540	047702	30992
	420 - 630			ZW7-630	050075	31714

Accessories

Base For Seperate Mounting

	For use with	Part No.	Article No.	MRP.
	ZB32	ZB32-XEZ	278473	951
	ZB65	ZB65-XEZ	278474	1441

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Type 2 Coordination Tables

DOL Starter, 400/415V

AC-3 380V 400V 415V	Rated operation current 400V	Rated short circuit current		Overload release	Short-circuit release	MPCB	Contactar
P KW	I _e A	I _q KA	(50) KA	I _r KA	I _{rm} A	Part No.	Part No.
0.06	0.21	150	(50)	0.16-0.25	3.5	PKZM0-0.25	DILM7-..
0.09	0.31	150	(50)	0.25-0.4	5.6	PKZM0-0.4	DILM7-..
0.12	0.41	150	(50)	0.40-0.63	8.82	PKZM0-0.63	DILM7-..
0.18	0.6	150	(50)	0.40-0.63	8.82	PKZM0-0.63	DILM7-..
0.25	0.8	150	(50)	0.63-1	14	PKZM0-1	DILM7-..
0.37	1.1	150	(50)	1.00-1.6	22.4	PKZM0-1.6	DILM7-..
0.55	1.5	150	(50)	1.00-1.6	22.4	PKZM0-1.6	DILM7-..
0.75	1.9	150	(50)	1.60-2.5	35	PKZM0-2.5	DILM7-..
1.1	2.6	150	(50)	2.50-4	56	PKZM0-4	DILM7-..
1.5	3.6	150	(50)	2.50-4	56	PKZM0-4	DILM7-..
2.2	5	150	(50)	4.00-6.3	88.2	PKZM0-6.3	DILM7-..
3	6.6	150	(50)	6.3-10	140	PKZM0-10	DILM17-..
4	8.5	150	(50)	6.3-10	140	PKZM0-10	DILM17-..
5.5	11.3	50		8-12	168	PKZM0-12	DILM17-..
7.5	6(15.5)2	50		10-16	224	PKZM0-16	DILM17-..
11	21.7	50		20-25	350	PKZM0-25	DILM25-..
15	29.3	50		25-32	448	PKZM0-32	DILM32-..
18.5	36	50		32-40	560	PKZM4-40	DILM40
22	41	50		40-50	700	PKZM4-50	DILM50
30	55	50		50-58	812	PKZM4-58	DILM65
37	68	50		63-80	8-14*	NZMN1--M80	DILM80
45	81	50		80-100	8-12.5*	NZMN1-M100	DILM95
55	99	50		80-100	8-14*	NZMN2-M160	DILM115
75	134	50		125-160	8-14*	NZMN2-M160	DILM150
90	161	50		160-200	8-14*	NZMN2-M200	DILM185
110	196	50		160-200	8-14*	NZMN2-M200	DILM225

Star Delta Starter, 400/415V

kW	Rating (A)	S/C Current	MPCB/MCCB			Contactar			Timer
			Type	O/L Release	S/C Release	Line	Delta	Star	
5.5	11.3	50	PKZM0-12	8...12	168	DILM17	DILM17	DILM17	ETR4-51
7.5	15.2	50	PKZM0-16	10...16	224	DILM17	DILM17	DILM17	ETR4-51
11	21.7	50	PKZM0-25	20...25	350	DILM17	DILM17	DILM17	ETR4-51
12.5	25	50	PKZM0-25	20...25	350	DILM17	DILM17	DILM17	ETR4-51
15	29.3	50	PKZM0-32	25...32	448	DILM17	DILM17	DILM17	ETR4-51
18.5	36	50	PKZM4-40	32...40	560	DILM40	DILM40	DILM40	ETR4-51
22	41	50	PKZM4-50	40...50	700	DILM40	DILM40	DILM40	ETR4-51
30	55	50	PKZM4-58	50...58	812	DILM40	DILM40	DILM40	ETR4-51
37	68	50	NZMN1-M80	63...80	8-14	DILM80	DILM80	DILM50	ETR4-51
45	81	50	NZMN1-M100	80...100	8-12.5	DILM80	DILM80	DILM50	ETR4-51
55	99	50	NZMN1-M100	80...100	8-14	DILM80	DILM80	DILM50	ETR4-51
65	116	50	NZMN2-M125	100...125	8-14	DILM95	DILM95	DILM65	ETR4-51
75	134	50	NZMN2-M160	125...160	8-14	DILM115	DILM115	DILM80	ETR4-51
90	161	50	NZMN2-M200	160...200	8-14	DILM185	DILM185	DILM115	ETR4-51
110	196	50	NZMN2-M200	160...200	8-14	DILM185	DILM185	DILM115	ETR4-51

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