

Price list

MCB, RCD, SPDs & Distribution Boards

Effective 1st March 2022

Smart Solutions for electrical distribution in residential, commercial and industrial application



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Powering Business Worldwide

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Eaton's Product Range

Low Voltage Distribution Products

Air Circuit Breakers	PSL / IZMX
Molded Case Circuit Breakers	PDC / NZM / BZM
Disconnectors	P / PN
Mining Duty Breakers	
ATS	



Contactors

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



Overload Relays

Thermal Magnetic Overload Relay	ZB/ZE/ZEB
Electronic Overload 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



Effective 1st March 2022

Eaton's Product Range

Cam Switches 8 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



Enclosures

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



Solar Products

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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Digital RCD **NEW**

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The Eaton Advantage

Miniature Circuit Breaker



3 Position Mounting Clip: Easy & Quick maintenance

- Allows installation & removal of MCB/other modular devices without removing the busbar and other devices



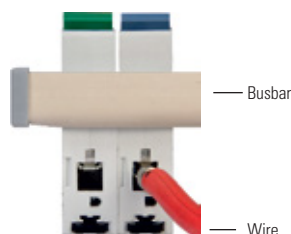
Insulated Sliding Shutter: Safe and Secure termination

- Acts as guide for quick and secure termination
- Makes it impossible for wire to miss the terminal while wiring
- Insulated shutter prevents accidental contact - enhanced safety and system reliability



Contact Position Indicator: Safe to operate, always

- Enables visual indication of true position of main contacts
- Ensure high degree of safety during fault conditions:
Welded Main Contact/Dolly Free
- True Contact Indication



Bi Connect Terminals: Ease of wiring

- Allows secure termination of busbars and cables simultaneously
- Looping possible without danger of loose wiring



Remote Operation and automatic resetting

- Remote operation
- Automatic restart in the event of undesired tripping



Unique colour for each rating : Appealing Aesthetics and Easy Identification

- Colour knobs provided for better aesthetics & designer look when mounted inside acrylic door distribution board.
- The rating of MCB installed is easily identifiable by distinctive dolly colours.

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Miniature Circuit Breaker

Type PLSM 

Specifications

- Rated current: 0.5 A to 63 A
- Rated voltage AC: 230/415V, DC: 48V (per pole)
- Rated breaking capacity: 10kA acc. to IEC/EN 60898
- Tripping Characteristics B, C, D
- Low let-through energy
- Bi connect optionally on load or line
- Endurance: 20,000 operations
- Full range of accessories: shunt, UV, auxiliary



Rated Current (A)	1P		1 P+N		2 P		3 P		3 P+N		4P	
	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP
C Curve												
1	PLSM-C1 242191	610	PLSM-C1/1N 106310	1445	PLSM-C1/2 242390	1445	PLSM-C1/3 242459	2295	PLSM-C1/3N 242528	2840	PLSM-C1/4 242597	2950
2	PLSM-C2 242194	610	PLSM-C2/1N 106312	1445	PLSM-C2/2 242393	1445	PLSM-C2/3 242462	2295	PLSM-C2/3N 242531	2840	PLSM-C2/4 242600	2950
3	PLSM-C3 242196	610	PLSM-C3/1N 106314	1445	PLSM-C3/2 242395	1445	PLSM-C3/3 242464	2295	PLSM-C3/3N 242533	2840	PLSM-C3/4 242602	2950
4	PLSM-C4 242198	610	PLSM-C4/1N 106315	1445	PLSM-C4/2 242397	1445	PLSM-C4/3 242466	2295	PLSM-C4/3N 242535	2840	PLSM-C4/4 242604	2950
5	PLSM-C5 242199	610	PLSM-C5/1N 106316	1445	PLSM-C5/2 242398	1445	PLSM-C5/3 242467	2295	PLSM-C5/3N 242536	2840	PLSM-C5/4 242605	2950
6	PLSM-C6 242200	335	PLSM-C6/1N 106317	1030	PLSM-C6/2 242399	1030	PLSM-C6/3 242468	1705	PLSM-C6/3N 242537	2215	PLSM-C6/4 242606	2320
10	PLSM-C10 242202	335	PLSM-C10/1N 106318	1030	PLSM-C10/2 242401	1030	PLSM-C10/3 242470	1705	PLSM-C10/3N 242539	2215	PLSM-C10/4 242608	2320
16	PLSM-C16 242206	335	PLSM-C16/1N 106319	1030	PLSM-C16/2 242405	1030	PLSM-C16/3 242474	1705	PLSM-C16/3N 242543	2215	PLSM-C16/4 242612	2320
20	PLSM-C20 242207	335	PLSM-C20/1N 106320	1030	PLSM-C20/2 242406	1030	PLSM-C20/3 242475	1705	PLSM-C20/3N 242544	2215	PLSM-C20/4 242613	2320
25	PLSM-C25 242208	335	PLSM-C25/1N 106321	1030	PLSM-C25/2 242407	1030	PLSM-C25/3 242476	1705	PLSM-C25/3N 242545	2215	PLSM-C25/4 242614	2320
32	PLSM-C32 242209	335	PLSM-C32/1N 106322	1030	PLSM-C32/2 242408	1030	PLSM-C32/3 242477	1705	PLSM-C32/3N 242546	2215	PLSM-C32/4 242615	2320
40	PLSM-C40 242210	760	PLSM-C40/1N 106323	1685	PLSM-C40/2 242409	1685	PLSM-C40/3 242478	2675	PLSM-C40/3N 242547	3310	PLSM-C40/4 242616	3420
50	PLSM-C50 242211	760	PLSM-C50/1N 106324	1685	PLSM-C50/2 242410	1685	PLSM-C50/3 242479	2675	PLSM-C50/3N 242548	3310	PLSM-C50/4 242617	3420
63	PLSM-C63 242212	760	PLSM-C63/1N 106325	1685	PLSM-C63/2 242411	1685	PLSM-C63/3 242480	2675	PLSM-C63/3N 242549	3310	PLSM-C63/4 242618	3420
B Curve												
6	PLSM-B6 242174	335	PLSM-B6/1N 106288	1030	PLSM-B6/2 242373	1030	PLSM-B6/3 242442	1705	PLSM-B6/3N 242511	2215	PLSM-B6/4 242580	2320
10	PLSM-B10 242176	335	PLSM-B10/1N 106289	1030	PLSM-B10/2 242375	1030	PLSM-B10/3 242444	1705	PLSM-B10/3N 242513	2215	PLSM-B10/4 242582	2320
16	PLSM-B16 242180	335	PLSM-B16/1N 106300	1030	PLSM-B16/2 242379	1030	PLSM-B16/3 242448	1705	PLSM-B16/3N 242517	2215	PLSM-B16/4 242586	2320
20	PLSM-B20 242181	335	PLSM-B20/1N 106301	1030	PLSM-B20/2 242380	1030	PLSM-B20/3 242449	1705	PLSM-B20/3N 242518	2215	PLSM-B20/4 242587	2320
25	PLSM-B25 242182	335	PLSM-B25/1N 106302	1030	PLSM-B25/2 242381	1030	PLSM-B25/3 242450	1705	PLSM-B25/3N 242519	2215	PLSM-B25/4 242588	2320
32	PLSM-B32 242183	335	PLSM-B32/1N 106303	1030	PLSM-B32/2 242382	1030	PLSM-B32/3 242451	1705	PLSM-B32/3N 242520	2215	PLSM-B32/4 242589	2320
40	PLSM-B40 242184	760	PLSM-B40/1N 106304	1685	PLSM-B40/2 242383	1685	PLSM-B40/3 242452	2675	PLSM-B40/3N 242521	3310	PLSM-B40/4 242590	3420
50	PLSM-B50 242185	760	PLSM-B50/1N 106305	1685	PLSM-B50/2 242384	1685	PLSM-B50/3 242453	2675	PLSM-B50/3N 242522	3310	PLSM-B50/4 242591	3420
63	PLSM-B63 242186	760	PLSM-B63/1N 106306	1685	PLSM-B63/2 242385	1685	PLSM-B63/3 242454	2675	PLSM-B63/3N 242523	3310	PLSM-B63/4 242592	3420

Effective 1st March 2022

Miniature Circuit Breaker

Rated Current (A)	1P		1 P+N		2 P		3 P		3 P+N		4P	
	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP	Part No. Article No.	Unit MRP
D Curve												
6	PLSM-D6 242223	485	PLSM-D6/1N 106334	1205	PLSM-D6/2 242422	1205	PLSM-D6/3 242491	1920	PLSM-D6/3N 242560	2445	PLSM-D6/4 242629	2565
10	PLSM-D10 242225	485	PLSM-D10/1N 106335	1205	PLSM-D10/2 242424	1205	PLSM-D10/3 242493	1920	PLSM-D10/3N 242562	2445	PLSM-D10/4 242631	2565
16	PLSM-D16 242229	485	PLSM-D16/1N 106336	1205	PLSM-D16/2 242428	1205	PLSM-D16/3 242497	1920	PLSM-D16/3N 242566	2445	PLSM-D16/4 242635	2565
20	PLSM-D20 242230	485	PLSM-D20/1N 106337	1205	PLSM-D20/2 242429	1205	PLSM-D20/3 242498	1920	PLSM-D20/3N 242567	2445	PLSM-D20/4 242636	2565
25	PLSM-D25 242231	485	PLSM-D25/1N 106338	1205	PLSM-D25/2 242430	1205	PLSM-D25/3 242499	1920	PLSM-D25/3N 242568	2445	PLSM-D25/4 242637	2565
32	PLSM-D32 242232	485	PLSM-D32/1N 106339	1205	PLSM-D32/2 242431	1205	PLSM-D32/3 242500	1920	PLSM-D32/3N 242569	2445	PLSM-D32/4 242638	2565
40	PLSM-D40 242233	940	PLSM-D40/1N 106340	2050	PLSM-D40/2 242432	2050	PLSM-D40/3 242501	3015	PLSM-D40/3N 242570	3575	PLSM-D40/4 242639	3695
50	PLSM-D50 113094	940			PLSM-D50/2 113098	2050	PLSM-D50/3 113152	3015	PLSM-D50/3N 113164	3575	PLSM-D50/4 113156	3695
63	PLSM-D63 113095	940			PLSM-D63/2 113099	2050	PLSM-D63/3 113153	3015	PLSM-D63/3N 113165	3575	PLSM-D63/4 Y7-113157	3695

Main Load Disconnectors Switch (Isolator) IS

Specifications

- Load break switch with isolating function
- Design according to IEC/EN 60947-3
- Highly wear resistant contact
- Quick make, black toggle
- Terminal capacity 50 mm²



Rated Current (A)	1 Pole			2 Pole			3 Pole			4 Pole		
	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
16	IS-16/1	276254	730	IS-16/2	276255	835	IS-16/3	276256	1460	IS-16/4	276257	1715
20	IS-20/1	276258	730	IS-20/2	276259	835	IS-20/3	276260	1460	IS-20/4	276261	1715
25	IS-25/1	276262	730	IS-25/2	276263	835	IS-25/3	276264	1340	IS-25/4	276265	1715
32	IS-32/1	276266	730	IS-32/2	276267	835	IS-32/3	276268	1340	IS-32/4	276269	1715
40	IS-40/1	276270	730	IS-40/2	276271	835	IS-40/3	276272	1340	IS-40/4	276273	1715
63	IS-63/1	276274	840	IS-63/2	276275	990	IS-63/3	276276	1590	IS-63/4	276277	1870
80	IS-80/1	276278	840	IS-80/2	276279	1335	IS-80/3	276280	1900	IS-80/4	276281	2620
100	IS-100/1	276282	*	IS-100/2	276283	1465	IS-100/3	276284	2065	IS-100/4	276285	2745
125	IS-125/1	276286	*	IS-125/2	276287	1530	IS-125/3	276288	2130	IS-125/4	276289	2805

Note: * Price on request

Effective 1st March 2022

Miniature Circuit Breaker

Type PLHT

Specifications

- Peak with stand voltage U_{imp} 4kV
- Rated current up to 125A
- Tripping characteristics B,C, D

- Rated Voltage AC: 230/415V, DC: 60V (per pole)
- Rated breaking capacity up to 63A: 25KA, 80A to 100A: 20 KA, 125 A: 15 KA according to IEC/EN 60947-2
- Accessories: shunt trip, auxiliary switch, anti-tamper device.
- Endurance: 20,000 operations Terminal Capacity: 2.5 - 50 mm²



C Curve

Rated Current (A)	1 P			2 P			3 P			4 P		
	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
20A	PLHT-C20	247981	3850	PLHT-C20/2	248007	8080	PLHT-C20/3	248033	12120	PLHT-C20/4	248085	16160
25A	PLHT-C25	247982	3850	PLHT-C25/2	248008	8080	PLHT-C25/3	248034	12120	PLHT-C25/4	248086	16160
32A	PLHT-C32	247983	3850	PLHT-C32/2	248009	8080	PLHT-C32/3	248035	12120	PLHT-C32/4	248087	16160
40A	PLHT-C40	247984	3850	PLHT-C40/2	248010	8080	PLHT-C40/3	248036	12120	PLHT-C40/4	248088	16160
50A	PLHT-C50	247985	3850	PLHT-C50/2	248011	8080	PLHT-C50/3	248037	12120	PLHT-C50/4	248089	16160
63A	PLHT-C63	247986	3850	PLHT-C63/2	248012	8080	PLHT-C63/3	248038	12120	PLHT-C63/4	248090	16160
80A	PLHT-C80	247987	3605	PLHT-C80/2	248013	7575	PLHT-C80/3	248039	11360	PLHT-C80/4	248091	15150
100A	PLHT-C100	247988	3740	PLHT-C100/2	248014	7860	PLHT-C100/3	248040	11795	PLHT-C100/4	248092	15175
125A	PLHT-C125	247989	3945	PLHT-C125/2	248015	8495	PLHT-C125/3	248041	12740	PLHT-C125/4	248093	16990

- Prices for B, D Curve MCBs are available upon request • 3 P+N on request

Type PLS6 DC and PL10 DC



Specifications

- Rated current up to 50A
- Rated voltage DC: 250V per pole, t=4 ms
- 2 poles connected in series DC: 500V
- 4P DC - Current Rating : 16A, 25A ,32A, 40A and 50A ; Rated Voltage: 1000V DC
- Rated breaking capacity 10kA acc. to IEC/EN 60947-2
- Tripping Characteristics C
- Connections as per polarity marking on the product

Rated Current (A)	1 Pole			2 Pole			4 Pole		
	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
1	PLS6-C1-DC	243115	915	PLS6-C1/2-DC	243128	1920			
2	PLS6-C2-DC	243116	915	PLS6-C2/2-DC	243129	1920			
3	PLS6-C3-DC	243117	915	PLS6-C3/2-DC	243130	1920			
4	PLS6-C4-DC	243118	915	PLS6-C4/2-DC	243131	1920			
6	PLS6-C6-DC	243119	765	PLS6-C6/2-DC	243132	1615			
10	PLS6-C10-DC	243120	765	PLS6-C10/2-DC	243133	1615			
13	PLS6-C13-DC	243121	765	PLS6-C13/2-DC	243134	1615			
16	PLS6-C16-DC	243122	765	PLS6-C16/2-DC	243135	1615	PL10-C16/4-DC-IN	CBE00213	3415
20	PLS6-C20-DC	243123	765	PLS6-C20/2-DC	243136	1615			
25	PLS6-C25-DC	243124	765	PLS6-C25/2-DC	243137	1615	PL10-C25/4-DC-IN	CBE00214	3415
32	PLS6-C32-DC	243125	765	PLS6-C32/2-DC	243138	1615	PL10-C32/4-DC-IN	CBE00215	3415
40	PLS6-C40-DC	243126	1155	PLS6-C40/2-DC	243139	2430	PL10-C40/4-DC-IN	CBE02465	5100
50	PLS6-C50-DC	243127	1155	PLS6-C50/2-DC	243140	2430	PL10-C50/4-DC-IN	CBE02466	5100

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Residual Current Devices

RCCB PFIM



Specifications

- Design according to IEC/EN 61008
- Rated current: 16-100A, Rated voltage: 230/415V, 50 Hz
- Rated tripping current: 30,100,300,500mA
- Rated short circuit strength: 4-10 kA
- Sensitivity: AC & pulsating DC
- Type: AC, A,G, G/A, R, S, S/A, U,X

- PFIM-U for frequency converter proof applications
- PFIM-X for backup protection
- Contact position flag indicator
- Automatic re-setting possible
- Comprehensive range of accessories
- Endurance: 20,000 operation
- For Commercial & Industrial applications

Rated Current (A)	mA	2 Pole			4 Pole		
		Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
Conditionally surge current-proof 250 A, type AC							
25	30	PFIM-25/2/003	235390	3765	PFIM-25/4/003	235406	5100
	100	PFIM-25/2/01	235391	3885	PFIM-25/4/01	235407	5215
	300	PFIM-25/2/03	235392	4000	PFIM-25/4/03	235408	5340
40	30	PFIM-40/2/003	235394	4370	PFIM-40/4/003	235410	5215
	100	PFIM-40/2/01	235395	4495	PFIM-40/4/01	235411	5340
	300	PFIM-40/2/03	235396	4610	PFIM-40/4/03	235412	5460
63	30	PFIM-63/2/003	235398	5340	PFIM-63/4/003	235414	5820
	100	PFIM-63/2/01	235399	5525	PFIM-63/4/01	235415	6070
	300	PFIM-63/2/03	235400	5700	PFIM-63/4/03	235416	6130
80	30	PFIM-80/2/003	235402	7315	PFIM-80/4/003	235418	9020
	100	PFIM-80/2/01	235403	7840	PFIM-80/4/01	235419	9150
	300	PFIM-80/2/03	235404	8495	PFIM-80/4/03	235420	9150
100	30	PFIM-100/2/003	102821	9625	PFIM-100/4/003	102823	10810
	100	PFIM-100/2/01	102874	9750	PFIM-100/4/01	102824	10940
	300	PFIM-100/2/03	102822	9875	PFIM-100/4/03	102825	11065
Conditionally surge current-proof 250A, sensitive to residual pulsating DC, type A							
16	10	PFIM-16/2/001-A	235422	7270			
	30	PFIM-16/2/003-A	235423	6965			
25	30	PFIM-25/2/003-A	235424	6965	PFIM-25/4/003-A	235435	7375
	100	PFIM-25/2/01-A	235425	6965	PFIM-25/4/01-A	235436	7375
	300	PFIM-25/2/03-A	235426	6965	PFIM-25/4/03-A	235437	7375
40	30	PFIM-40/2/003-A	235427	8060	PFIM-40/4/003-A	235439	9020
	100	PFIM-40/2/01-A	235428	8060	PFIM-40/4/01-A	235440	9020
	300	PFIM-40/2/03-A	235429	8060	PFIM-40/4/03-A	235441	9020
63	30	PFIM-63/2/003-A	235431	8195	PFIM-63/4/003-A	235443	9225
	100	PFIM-63/2/01-A	235432	8195	PFIM-63/4/01-A	235444	9225
	300	PFIM-63/2/03-A	235433	8195	PFIM-63/4/03-A	235445	9225
80	30				PFIM-80/4/003-A	235447	14340
	300				PFIM-80/4/03-A	235448	14340
100	30				PFIM-100/4/003-A	102829	15710
	100	PFIM-100/2/01-A	102827	15030	PFIM-100/4/01-A	102870	15710
	300	PFIM-100/2/03-A	102828	15030	PFIM-100/4/03-A	102871	15710

- 500 mA is available on request
- Surge Current-proof 3kA, type G available on request
- RCD with type G, S, R, U, X are available upon request

Effective 1st March 2022

Residual Current Devices

RCBO Type AC - PKNM & FRBm



Specifications

- Rated breaking capacity: 6kA & 10kA
- Design according to IEC/EN 61009
- Rated current: 2A-40A
- Characteristics: B,C
- Sensitivity: 10, 30, 100, 300mA
- Rated Voltage AC: 230 V, 50 Hz
- Type: AC, A, G, S
- Operational voltage range: 196 - 253 V
- 3 position DIN rail clip, permits easy removal from existing busbar
- Terminal capacity: 1 - 25mm²
- Endurance: 20,000 operations
- For Commercial & Industrial applications

Rating (A)	mA	Characteristics B			Characteristics C		
		Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
Conditionally surge current-proof 250 A, type AC							
2	10	FRBm6-B2/1N/001	178104	12045	FRBmM-C2/1N/001	170979	11725
4		FRBm6-B4/1N/001	178112	12045	FRBmM-C4/1N/001	170980	11725
6		FRBmM-B6/1N/001	170971	11620	FRBmM-C6/1N/001	170981	11315
10		FRBmM-B10/1N/001	170972	11620	FRBmM-C10/1N/001	170982	11315
16		FRBmM-B16/1N/001	170974	11620	FRBmM-C16/1N/001	170984	11315
2	30	FRBm6-B2/1N/003	178105	7015	FRBmM-C2/1N/003	170532	6830
4		FRBm6-B4/1N/003	178113	7015	FRBmM-C4/1N/003	170533	6830
6		PKNM-6/1N/B/003	236007	5600	PKNM-6/1N/C/003	236017	5450
10		PKNM-10/1N/B/003	236067	5600	PKNM-10/1N/C/003	236077	5450
16		PKNM-16/1N/B/003	236200	5600	PKNM-16/1N/C/003	236212	5450
20		PKNM-20/1N/B/003	236235	5600	PKNM-20/1N/C/003	236245	5450
25		PKNM-25/1N/B/003	236265	5600	PKNM-25/1N/C/003	236275	5450
32		PKNM-32/1N/B/003	236295	5600	PKNM-32/1N/C/003	236305	5450
40	PKNM-40/1N/B/003	236324	6660	PKNM-40/1N/C/003	236334	6485	
2	100	FRBm6-B2/1N/01	178106	7085	FRBmM-C2/1N/01	170672	6895
4		FRBm6-B4/1N/01	178114	7085	FRBmM-C4/1N/01	170673	6895
6		FRBmM-B6/1N/01	170656	6025	FRBmM-C6/1N/01	170674	5865
10		FRBmM-B10/1N/01	170657	6025	FRBmM-C10/1N/01	170675	5865
16		FRBmM-B16/1N/01	170659	6025	FRBmM-C16/1N/01	170677	5865
20		FRBmM-B20/1N/01	170660	6025	FRBmM-C20/1N/01	170678	5865
25		FRBmM-B25/1N/01	170661	6025	FRBmM-C25/1N/01	170679	5865
32		FRBmM-B32/1N/01	170662	6660	FRBmM-C32/1N/01	170680	6485
40		FRBmM-B40/1N/01	170663	6660	FRBmM-C40/1N/01	170681	6485
2	300	FRBm6-B2/1N/03	178107	7085	FRBmM-C2/1N/03	170561	6895
4		FRBm6-B4/1N/03	178119	7085	FRBmM-C4/1N/03	170562	6895
6		PKNM-6/1N/B/03	236009	5665	PKNM-6/1N/C/03	236019	5520
10		PKNM-10/1N/B/03	236069	5665	PKNM-10/1N/C/03	236079	5520
16		PKNM-16/1N/B/03	236202	5665	PKNM-16/1N/C/03	236214	5520
20		PKNM-20/1N/B/03	236237	5665	PKNM-20/1N/C/03	236247	5520
25		PKNM-25/1N/B/03	236267	5665	PKNM-25/1N/C/03	236277	5520
32		PKNM-32/1N/B/03	236297	5810	PKNM-32/1N/C/03	236307	5655
40		PKNM-40/1N/B/03	236326	6660	PKNM-40/1N/C/03	236336	6485

#Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type "A" is available.....*Please contact nearest Eaton office for Price.

Effective 1st March 2022

Residual Current Devices

Add-on RCD Unit - PBSM

Specifications

- Add-on residual current unit
- Line voltage-independent tripping
- Rated current 40 and 63A
- By combining this device with a miniature circuit breaker type PLSM, a RCBO unit (combined RCD/MCB device) is formed



Rating (A)	mA	2 Pole			4 Pole		
		Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
Conditionally surge current-proof 250 A, type AC							
40	30	PBSM-402/003	262323	4495	PBSM-404/003	262568	6855
	100	PBSM-402/01	262324	4495	PBSM-404/01	262569	6855
	300	PBSM-402/03	262325	4495	PBSM-404/03	262570	6855
	500	PBSM-402/05	262326	6215	PBSM-404/05	262571	8100
	1000	PBSM-402/1	262327	6215	PBSM-404/1	262572	8100
63	30	PBSM-632/003	262426	5500	PBSM-634/003	262590	8120
	100	PBSM-632/01	262427	5500	PBSM-634/01	262591	8120
	300	PBSM-632/03	262428	5500	PBSM-634/03	262592	8120
	500	PBSM-632/05	262429	6455	PBSM-634/05	262595	9965
	1000	PBSM-632/1	262431	6455	PBSM-634/1	262596	9965

• Prices for RCD with type A, G, S are available upon request

Add-on RCD Unit - PBHT

Specifications

- Add-on residual current unit (screw connection) for 80 or 125A (2-pole and 4-pole)
- By combining this device with a miniature circuit breaker type PLHT a RCBO unit (combined RCD/MCB device) is formed
- For subsequent mounting onto 2,3, 3+N and 4-pole-miniature circuit breakers PLHT
- For commercial and industry applications



Rating (A)	mA	2 Pole			4 Pole		
		Part No.	Article No.	Unit MRP	Part No.	Article No.	Unit MRP
Conditionally surge current-proof 250 A, type AC							
80	30	PBHT-80/2/003	248818	17250	PBHT-80/4/003	248826	25155
	300	PBHT-80/2/03	248820	17250	PBHT-80/4/03	248828	25155
	500	PBHT-80/2/05	248822	17250	PBHT-80/4/05	248831	25155
	1000	PBHT-80/2/1	248824	17250	PBHT-80/4/1	248834	25155
125	30	PBHT-125/2/003	248799	17250	PBHT-125/4/003	248807	25155
	300	PBHT-125/2/03	248801	17250	PBHT-125/4/03	248809	25155
	500	PBHT-125/2/05	248803	28530	PBHT-125/4/05	248812	31560
	1000	PBHT-125/2/1	248805	28530	PBHT-125/4/1	248815	31560

Effective 1st March 2022

Digital RCD



- Line voltage independent RCCB for fault or additional protection with additional digital features.
- System Monitoring: Preventive information / warning before the RCD trips in case of leakage currents
 - Integrated auxiliary contact
 - Local Indication
- New level of accuracy -> reduced unwanted tripping
- Yearly test interval
- Comprehensive range of accessories
- Real contact position indicator
- Fault current tripping indicator
- Automatic re-setting possible
- Transparent designation plate

Residual Current Devices FRCdM Type G/A

Surge current-proof 3 kA, sensitive to residual pulsating DC, Type G/A

4 Pole			
$I_n / I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
25/0.03	FRCdM-25/4/003-G/A	168646	1/30
25/0.3	FRCdM-25/4/03-G/A	168647	1/30
40/0.03	FRCdM-40/4/003-G/A	168648	1/30
40/0.3	FRCdM-40/4/03-G/A	168649	1/30
63/0.03	FRCdM-63/4/003-G/A	168650	1/30
63/0.3	FRCdM-63/4/03-G/A	168651	1/30
80/0.03	FRCdM-80/4/003-G/A	168634	1/30
80/0.3	FRCdM-80/4/03-G/A	168635	1/30

• Prices for RCD with type A, G, S are available upon request • Digital 2P RCBO available upon request

Digital RCD Mechanism

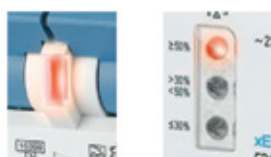
The LEDs set off an alarm when fault currents or a shut down are coming. This makes the troubleshooting faster and much easier. The service mode of the fault current protection switch quickly indicates the extent of the flowing fault current in milliamp increments. By pushing the service button, the blinking LED identifies the area where the fault current is located in.

- Mains voltage-independent residual current protection and additional protection with other digital functions
- Auto-reclosure is possible



Red

When the red LED lights up, the leakage current is already higher than 50 percent of the nominal fault current. Therefore the system is in a critical status –the digital RCCB only trip when the



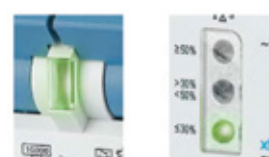
Yellow

The yellow LED shows a residual current in the ambit of 30 to 50 percent of the nominal fault current. Before the system is shut down, professional countermeasures can be taken.



Green

If the current flow in the system to ground is in the ambit from 0 to 30 percent of the nominal fault current, the green LED indicates the proper status.



Effective 1st March 2022

Arc Fault Detection Device (AFDD+)



- Electric fire protective device acc. to IEC/EN-62606
- Detects and quenches arc faults in final circuits
- Fully combined with residual current circuit breaker (RCCB) and miniature circuit breaker (MCB)
- 2-pole: Both clearances between open contacts are protected
- Variable installation of Neither left or right
- Rated currents from 10 to 40 A
- Contact position indicator red – green
- Tripped indication: MCB, RCCB or AFDD
- LED indication for arc faults
- Permanent self-monitoring
- Overvoltage and overheat monitoring
- Guide for secure terminal connection
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- 10 and 30 mA rated residual currents
- Tripping characteristics B, C
- Rated breaking capacity up to 10 kA
- Type AC & A

AFDD+ - AC Type

B Curve			C Curve		
Rating	Type Designation	Article No.	Rating	Type Designation	Article No.
10/0.01	AFDD-10/2/B/001	187164	10/0.01	AFDD-10/2/C/001	187170
13/0.01	AFDD-13/2/B/001	187176	13/0.01	AFDD-13/2/C/001	187182
16/0.01	AFDD-16/2/B/001	187200	16/0.01	AFDD-16/2/C/001	187206
10/0.03	AFDD-10/2/B/003	187167	10/0.03	AFDD-10/2/C/003	187173
13/0.03	AFDD-13/2/B/003	187179	13/0.03	AFDD-13/2/C/003	187185
16/0.03	AFDD-16/2/B/003	187203	16/0.03	AFDD-16/2/C/003	187209
20/0.03	AFDD-20/2/B/003	187218	20/0.03	AFDD-20/2/C/003	187221
25/0.03	AFDD-25/2/B/003	187224	25/0.03	AFDD-25/2/C/003	187227
*32/0.03	AFDD-32/2/B/003	187230	*32/0.03	AFDD-32/2/C/003	187233
*40/0.03	AFDD-40/2/B/003	187236	*40/0.03	AFDD-40/2/C/003	187239

AFDD+ - A Type

B Curve			C Curve		
Rating	Type Designation	Article No.	Rating	Type Designation	Article No.
10/0.01	AFDD-10/2/B/001-A	187165	10/0.01	AFDD-10/2/C/001-A	187171
13/0.01	AFDD-13/2/B/001-A	187177	13/0.01	AFDD-13/2/C/001-A	187183
16/0.01	AFDD-16/2/B/001-A	187201	16/0.01	AFDD-16/2/C/001-A	187207
10/0.03	AFDD-10/2/B/003-A	187168	10/0.03	AFDD-10/2/C/003-A	187174
13/0.03	AFDD-13/2/B/003-A	187180	13/0.03	AFDD-13/2/C/003-A	187186
16/0.03	AFDD-16/2/B/003-A	187204	16/0.03	AFDD-16/2/C/003-A	187210
20/0.03	AFDD-20/2/B/003-A	187219	20/0.03	AFDD-20/2/C/003-A	187222
25/0.03	AFDD-25/2/B/003-A	187225	25/0.03	AFDD-25/2/C/003-A	187228
*32/0.03	AFDD-32/2/B/003-A	187231	*32/0.03	AFDD-32/2/C/003-A	187234
*40/0.03	AFDD-40/2/B/003-A	187237	*40/0.03	AFDD-40/2/C/003-A	187240

*Breaking Capacity – 6kA
• Price on Request

Effective 1st March 2022

Protective Devices

Manual Motor Starter Z-MS

	Poles	Setting Range (A)	Type Designation	Article No.	Unit MRP
	2	0.10 - 0.16	Z-MS-0.16/2	248389	2660
	2	0.16 - 0.25	Z-MS-0.25/2	248390	2660
	2	0.25 - 0.40	Z-MS-0.4/2	248391	2660
	2	0.40 - 0.63	Z-MS-0.63/2	248392	2660
	2	0.63 - 1.00	Z-MS-1/2	248393	2660
	2	1.00 - 1.60	Z-MS-1.6/2	248394	2660
	2	1.60 - 2.50	Z-MS-2.5/2	248395	2660
	2	2.50 - 4.00	Z-MS-4/2	248396	2660
	2	4.00 - 6.30	Z-MS-6.3/2	248397	2660
	2	6.30 - 10.0	Z-MS-10/2	248398	2660
	2	10.0 - 16.0	Z-MS-16/2	248399	2660
	2	16.0 - 25.0	Z-MS-25/2	248400	2660
	2	25.0 - 40.0	Z-MS-40/2	248401	2660
	3	0.10 - 0.16	Z-MS-0.16/3	248402	3360
	3	0.16 - 0.25	Z-MS-0.25/3	248403	3360
	3	0.25 - 0.40	Z-MS-0.4/3	248404	3360
	3	0.40 - 0.63	Z-MS-0.63/3	248405	3360
	3	0.63 - 1.00	Z-MS-1/3	248406	3360
	3	1.00 - 1.60	Z-MS-1.6/3	248407	3360
	3	1.60 - 2.50	Z-MS-2.5/3	248408	3360
	3	2.50 - 4.00	Z-MS-4/3	248409	3360
	3	4.00 - 6.30	Z-MS-6.3/3	248410	3360
	3	6.30 - 10.0	Z-MS-10/3	248411	3360
	3	10.0 - 16.0	Z-MS-16/3	248412	3360
	3	16.0 - 25.0	Z-MS-25/3	248413	3440
	3	25.0 - 40.0	Z-MS-40/3	248414	3850

Power Limiter Z-TS

	Rated Curr. In (A)	Setting Range (A)	Type Designation	Article No.	Unit MRP
	1-pole, 230 V~				
	20	13-20	Z-TS20/1	266850	Price on Request
	25	16-25	Z-TS25/1	266852	
	32	20-32	Z-TS32/1	266853	
	40	25-40	Z-TS40/1	266854	
	50	40-50	Z-TS50/1	266855	
	63	50-63	Z-TS63/1	266856	
	3-pole, 400 V~				
	20	13-20	Z-TS20/3	266857	Price on Request
	25	16-25	Z-TS25/3	266858	
	32	20-32	Z-TS32/3	266859	
	40	25-40	Z-TS40/3	266860	
	50	40-50	Z-TS50/3	266861	
	63	50-63	Z-TS63/3	266862	

Effective 1st March 2022

Accessories

Auxiliary Switch and Tripping Signal Switch for PLSM-MCB & PKNM-RCBO (snapping Type)



For Protective Device / Function	Part No.	Article No.	Unit MRP
PLS..., PKN... 1NO+1NC	ZP-IHK	286052	925
PLS..., PKN... 1CO	ZP-WHK	286053	925
PLS..., PKN... 2CO (TRIP CONTACT)	ZP-NHK	248437	1260

Auxiliary Switch and Tripping Signal Switch for PLSM-MCB, PKNM-RCBO & PFIM-RCD (Screw Type)



For Protective Device / Function	Part No.	Article No.	Unit MRP
PFIM 1NO+1NC	Z-HK	248432	925
PLS... 1NO+1NC	Z-AHK	248433	925
PLS... 2CO (TRIP CONTACT)	Z-NHK	248434	1260

RCD-Tripping Module Z-FAM for remote switch-off RCD



For Protective Device / Function	Part No.	Article No.	Unit MRP
PFIM	Z-FAM	248433	2510

Sealing Cover Set Z-RC/AK for PFIM, PFR



Pole	Part No.	Article No.	Unit MRP
2-pole	Z-RC/AK-2TE	285385	160
4-pole	Z-RC/AK-4TE	101062	185

Shunt Trip Release ZP-ASA for PLSM-MCB, PKNM-RCBO & Manual Motor Starter (Z-MS)



For Protective Device / Function	Part No.	Article No.	Unit MRP
12-110V AC/12-60V DC	ZP-ASA/24	248438	2560
110-415V AC/110V-220V DC	ZP-ASA/230	248439	2560

Undervoltage Release Z-USA, Z-USD for PLSM-MCB & Manual Motor Starter (Z-MS)



For Protective Device / Function	Part No.	Article No.	Unit MRP
115 non-delayed	Z-USA/115	248288	4910
230 non-delayed	Z-USA/230	248289	4910
400 non-delayed	Z-USA/400	248290	5440
115 delayed 0.4s	Z-USD/115	248292	5235
230 delayed 0.4s	Z-USA/230	248291	5235

Shunt Release and Auxiliary Switch for PLHT-MCB



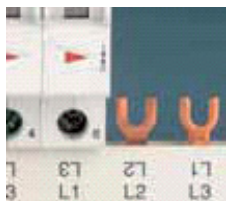
Rated Current In	Part No.	Article No.	Unit MRP
Shunt Trip release, Shunt Trip Release Kit			
110-415V/Shunt Trip Release	Z-LHASA/230	248442	2890
12-60V/Shunt Trip Release	Z-LHASA/24	248441	2890
110-415V/Shunt Trip Release Kit	Z-BHASA/230	248445	2890
12-60V/Shunt Trip Release Kit	Z-BHASA/24	248444	2890
Auxiliary Switch			
Function 1NO+1 NC	Z-LHK	248440	945

- Remote control and automatic switching device Z-FW for PLM-MCB and PFIM-RCD are available on request

Effective 1st March 2022

Accessories

Busbar Fork Type



Function	Part No.	Artcile No.	Unit MRP
Busbar block (Fork) Z-GV for PLSM, PKNM, PFIM (without Auxiliary Switch), Delivered with end caps			
16 mm2 Rated current 80 A			
1-phases 16x	Z-GV-16/1P-1TE/16	271074	Price on Request
2-phases 8x	Z-GV-16/1P+N-2TE/16	271075	
3-phases 2x	Z-GV-16/3P-3TE/8	271073	
4-phases 4x	Z-GV-16/3P+N-4TE/16	271078	
1m Busbar block (Fork) Z-GV for PLSM, PKNM, PFIM (with Auxiliary Switch), Delivered without end caps			
16 mm2 Rated current 80 A			
1-phase	Z-GV-16/1P-1TE	271061	1435
1-phase + auxiliary switch	Z-GV-16/1P+HS	271062	5590
2-phases	Z-GV-16/1P+N-2TE	271063	2950
3-phases	Z-GV-16/3P-3TE	271064	3250
4-phases	Z-GV-16/3P+N-4TE	271066	5665
4-phases	Z-GV-16/3P+3N-6TE	263142	6425
10 mm2 Rated current 63 A			
1-phase	Z-GV-10/1P-1TE	270339	1135
3-phases	Z-GV-10/3P-3TE	271060	2645
End cap 1-phase	Z-V-AK/1P	104905	60

Effective 1st March 2022

Surge Protection Device (SPD)

Specifications

- Standards : IEC 60364-5-53 Clause 534
- Individual components can be replaced without disconnection
- Classes : B, C, B+C (Combined Arrester), D
- Degree of protection (Built in) IP 20 (IP 40)
- Responding time : B-<100ns., C,B+C, D < 25ns.
- Impulse current range: 12.5kA - 100kA
- Power feed optionally from above or below
- Lighting current arrester + Surge arrester sets :
B+C sets (Combines the function of class B & Class C in single device)

Surge Protective Class T1/T2, SPRT12-350



Poles	Max. Continuous Operating Voltage U_c	Part No	Article No.	Unit MRP
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Combined Surge Protective Device SPRT12-350

- incl. FM contact (change-over contact) • for TN-C

3pole	350 VAC	SPRT12-350/3-AX	195235	71100
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- incl. FM contact (change-over contact) • for TN-S/TT

3pole+NPE	350 VAC	SPRT12-350/3+NPE-AX	195236	81880
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Range of protection	Max. Continuous Operating Voltage U_c	Part No	Article No.	Unit MRP
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Insert for SPRT12-350

L-N / L-PEN	350 VAC	SPRT12-350	195237	20690
N-PE	350 VAC	SPRT12-350/NPE	195238	20690

Surge Protective Class T1/T2 (formerly B+C), SPBT12

Description	Part No	Article No.	Unit MRP
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Lightning current arrester - surge arrester sets, Lightning protection classes III, IV

Without remote indication

TN-S/TT Set 1+N Set	SPBT12-280-1+NPE50	184752	9440
TN-S-Set 2pole	SPBT12-280/2	158309	11660
TN-C-Set 3pole	SPBT12-280/3	158330	15570
TN-S-Set 4pole	SPBT12-280/4	158331	20765
TN-S/TT Set 3+N Set	SPBT12-280-3+NPE50	184750	15125
TN-S/TT Set 3+N Set with busbar	SPBT12-280-3+NPE50/BB	184751	15555
TN-S/TT-Set 1+1pole	SPBT12-280-1+NPE	158308	22625
TN-S/TT-Set 3+1pole	SPBT12-280-3+NPE	158332	31145
TN-S/TT-Set 3+1pole	SPBT12-280-3+NPE/BB	158333	31145

Accessories

Auxiliary switch for SPBT12-280	ASAXSC-SPM	131785	1130
Busbar	ZV-KSBI...		

Impulse current I_{imp} (10/350) μ s	Part No	Article No.	Unit MRP
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Lightning current arrester - surge arrester SPBT12

Complete

12.5 kA L - (PE) N	SPBT12-280/1	158306	10115
50 kA N-PE	SPBT12-NPE50	184749	6340
100 kA N-PE	SPBT12-NPE100	158307	22495

Insert

12.5 kA Insert	SPBT12-280	167341	2360
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Effective 1st March 2022

Surge Protection Device (SPD)

SPD Class C

	Poles	Impulse Current Iimp	Part No.	Article No.	Unit MRP
	Plug-in surge arrester SPCT2				
	Insert 1-pole				
	Insert 75VAC	20kA	SPCT2-075	167577	2420
	Insert 130VAC	20kA	SPCT2-130	167582	2420
	Insert 175VAC	20kA	SPCT2-175	167587	2420
	Insert 280VAC	20kA	SPCT2-280	167592	2420
	Insert 335VAC	20kA	SPCT2-335	167597	2420
	Insert 385VAC	20kA	SPCT2-385	167602	2420
	Insert 460VAC	20kA	SPCT2-460	167607	2420
	Insert 580VAC	20kA	SPCT2-580	167612	2420
	Insert 260VAC	30kA	SPCT2-NPE60	167617	4500
	Plug-in surge arrester SPCT2, 1- to 4-pole				
	Complete (2- and multi-pole surge arresters are supplied with busbar)				
	1-pole	75VAC 20kA	SPCT2-075/1	167578	2420
	1-pole	130VAC 20kA	SPCT2-130/1	167583	2420
	1-pole	175VAC 20kA	SPCT2-175/1	167588	2420
	1-pole	280VAC 20kA	SPCT2-280/1	167593	2640
	1-pole	335VAC 20kA	SPCT2-335/1	167598	2640
	1-pole	385VAC 20kA	SPCT2-385/1	167603	2420
	1-pole	460VAC 20kA	SPCT2-460/1	167608	2640
	1-pole	580VAC 20kA	SPCT2-580/1	167613	2860
	1+N	260VAC 30kA	SPCT2-NPE60/1	167618	4330
	2-pole	75VAC 2x20kA	SPCT2-075/2	167579	4820
	2-pole	130VAC 2x20kA	SPCT2-130/2	167584	4820
	2-pole	175VAC 2x20kA	SPCT2-175/2	167589	4820
	2-pole	280VAC 2x20kA	SPCT2-280/2	167594	4820
	2-pole	335VAC 2x20kA	SPCT2-335/2	167599	4820
	2-pole	385VAC 2x20kA	SPCT2-385/2	167604	4820
	2-pole	460VAC 2x20kA	SPCT2-460/2	167609	4820
	2-pole	580VAC 2x20kA	SPCT2-580/2	167614	4820
	3-pole	75VAC 3x20kA	SPCT2-075/3	167580	6590
	3-pole	130VAC 3x20kA	SPCT2-130/3	167585	6590
	3-pole	175VAC 3x20kA	SPCT2-175/3	167590	6590
	3-pole	280VAC 3x20kA	SPCT2-280/3	167595	7480
	3-pole	335VAC 3x20kA	SPCT2-335/3	167600	7055
	3-pole	385VAC 3x20kA	SPCT2-385/3	167605	7055
	3-pole	460VAC 3x20kA	SPCT2-460/3	167610	7055
	3-pole	580VAC 3x20kA	SPCT2-580/3	167615	7055
	4-pole	75VAC 4x20kA	SPCT2-075/4	167581	8320
	4-pole	130VAC 4x20kA	SPCT2-130/4	167586	8320
	4-pole	175VAC 4x20kA	SPCT2-175/4	167591	8320
	4-pole	280VAC 4x20kA	SPCT2-280/4	167596	9785
	4-pole	335VAC 4x20kA	SPCT2-335/4	167601	10215
	4-pole	385VAC 4x20kA	SPCT2-385/4	167606	10215
	4-pole	460VAC 4x20kA	SPCT2-460/4	167611	9205
	4-pole	580VAC 4x20kA	SPCT2-580/4	167616	9205
	1+N	280VAC 20kA	SPCT2-280-1+NPE	167619	9175
	1+N	335VAC 20kA	SPCT2-335-1+NPE	167621	10480
	1+N	385VAC 20kA	SPCT2-385-1+NPE	167623	10480
	1+N	460VAC 20kA	SPCT2-460-1+NPE	167625	11940
	1+N	580VAC 20kA	SPCT2-580-1+NPE	167627	10730
	3+N	280VAC 20kA	SPCT2-280-3+NPE	167620	10480
	3+N	335VAC 20kA	SPCT2-335-3+NPE	167622	10480
	3+N	385VAC 20kA	SPCT2-385-3+NPE	167624	10480
	3+N	460VAC 20kA	SPCT2-460-3+NPE	167626	11940
	3+N	580VAC 20kA	SPCT2-580-3+NPE	167628	10730
	3+N/BB	280VAC 3x20kA	SPCT2-280-3+NPE/BB	167629	12285
	3+N/BB	335VAC 3x20kA	SPCT2-335-3+NPE/BB	167630	12980
	3+N/BB	385VAC 3x20kA	SPCT2-385-3+NPE/BB	167631	12980
	3+N/BB	460VAC 3x20kA	SPCT2-460-3+NPE/BB	167632	12980

• DC SPDs prices on request

Effective 1st March 2022

Neutral Failure Device/Overvoltage Protective Device (POP Device)

POP-270

- A POP-device intend to mitigate the effects of overvoltage between phase and neutral conductor (e.g. caused by broken neutral conductor in the 3-phase supply) for electrical devices and/or receptor equipment by de-energize the circuit when an overvoltage between phase and neutral conductor is detected.
- Application according BTTF 128-1
- Contact position indicator red-green shows secure isolation
- ON-OFF function with switching toggle
- Suitable for commercial and industrial applications

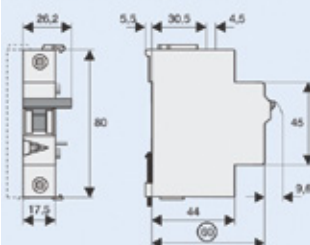


Power Frequency Overvoltage Protective Device (POP Device)

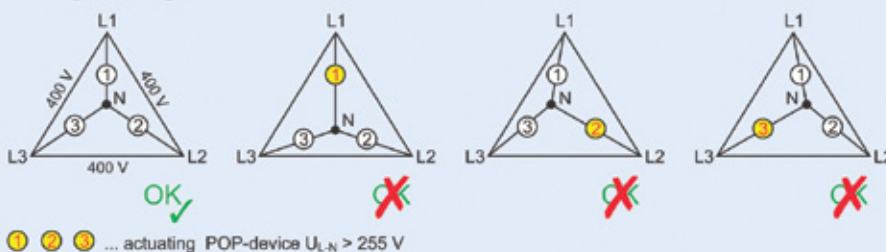
Rated Operational Voltage	Type Designation	Article No.	Units per package
230 V AC / 50 Hz	POP-270	173574	1 / 60

For accessories like Auxiliary Switch ZP-IHK and ZP-WHK, Tripping Signal Switch ZP-NHK, Shunt Trip Release ZP-ASA and Undervoltage Release Z-USA, Z-USD

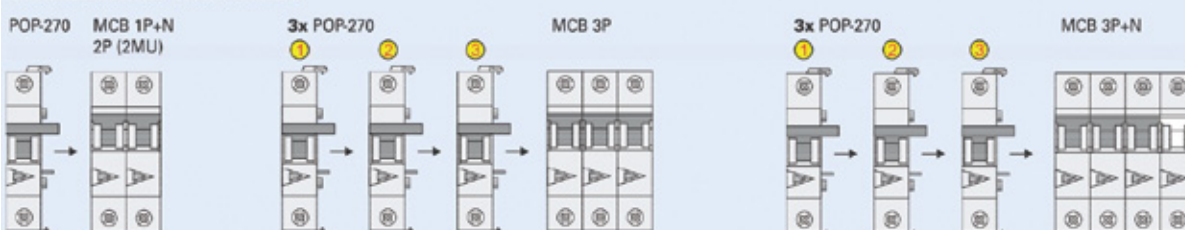
Dimensions (mm)



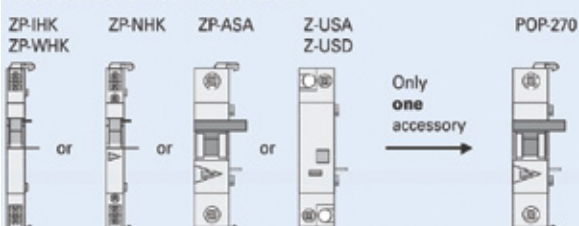
Voltage triangle



Combination with MCBs



Accessories for POP-270



*Please Contact nearest Eaton office for Price

Effective 1st March 2022

Distribution Boards (E Series)

Specifications

- Application standard
BS EN: 60439-3/ EN: 50298/IS 13032 : 91
- Sheet steel construction powder coated to
RAL : 9010 (Fine Texture)
- IP 42 / 43 degree of protection for double door
& IP 20 for single door
- Aesthetically designed distribution boards that
blends with all interior
- Optimized dimensions with ample wiring space
- Incoming options: Isolator, RCD, RCBO, MCCB
for direct connections or Isolator with RCCB in
one line Channel
- Adequate numbers of knockouts, detachable
plates of various sizes are provided both at the
top and the bottom to enable easy installation
and connection of conduits of all sizes.
- Single piece copper busbar to eliminate
potential hotspots
- Door earthing to ensure total safety
- Single Phase with 125A Busbar
- Three Phase with 250A Busbar



Quality Door Hinges for easy removability of reversible Door



Sleek Pan Assembly to keep Din-Rail & neutral link protected at the time of installation with unique look when installed with unique color coded MCBs



Embossed Anti-Insertion Marking to maintain IP protection



Pre fitted masking sheet to protect Enclosure from cement or other foreign particles before installation of MCBs, etc.



Sleek & classy look with rounded corners
Earth stud on both sides of Enclosure



Door earthing in Enclosure for human safety

Effective 1st March 2022

Distribution Boards (E Series)

SPN DB



Product Description	Single Door IP 20	Unit MRP	Double Door IP 42	Unit MRP	Double Door IP 43	Unit MRP
SPN DB 4 WAY	ETNSPNSD04	1465	ETNSPNDD4204	2125	ETNSPNDD4304	2620
SPN DB 6 WAY	ETNSPNSD06	1715	ETNSPNDD4206	2405	ETNSPNDD4306	2815
SPN DB 8 WAY	ETNSPNSD08	1870	ETNSPNDD4208	2690	ETNSPNDD4308	3080
SPN DB 12 WAY	ETNSPNSD12	2315	ETNSPNDD4212	3550	ETNSPNDD4312	3800
SPN DB 16 WAY	ETNSPNSD16	2745	ETNSPNDD4216	3665	ETNSPNDD4316	4065

Horizontal TPN DB



Product Description	Single Door IP 20	Unit MRP	Double Door IP 42	Unit MRP	Double Door IP 43	Unit MRP
TPN DB 4 Way	ETNTPNSD04	4270	ETNTPNDD4204	5005	ETNTPNDD4304	6160
TPN DB 6 Way	ETNTPNSD06	5005	ETNTPNDD4206	6275	ETNTPNDD4306	6675
TPN DB 8 Way	ETNTPNSD08	5870	ETNTPNDD4208	7350	ETNTPNDD4308	7730
TPN DB 12 Way	ETNTPNSD12	8680	ETNTPNDD4212	10545	ETNTPNDD4312	11340

Horizontal TPN DB with Per Phase Isolation



Way	Part No.	Unit MRP
Double Door IP-42		
4	ETNPPIH04	8885
6	ETNPPIH06	10015
8	ETNPPIH08	12005
12	ETNPPIH12	16680

Vertical TPN DB with Per Phase Isolation



Way	Part No.	Unit MRP
Double Door IP-42		
4	ETNPPIV04	9680
6	ETNPPIV06	10815
8	ETNPPIV08	11940
12	ETNPPIV12	12420
14	ETNPPIV14	13210
16	ETNPPIV16	14015

- IP-43 is available (price on request)

VTPN DB with MCB Incomer



Way	Part No.	Unit MRP
Double Door IP-43		
4	ETNVTPN06304	12775
8	ETNVTPN06308	15840
12	ETNVTPN06312	20315

VTPN DB with *MCCB Incomer



Way	Part No.	Unit MRP
DB with I/C up to 100 A MCCB		
4	ETNVTPN10004	14795
8	ETNVTPN10008	18580
12	ETNVTPN10012	22910

- *MCCB selection can only be from BZM range.

Effective 1st March 2022

Distribution Boards (E Series)

Flexi DB- Tier Type



Product Description	Part No.	Unit MRP
Double Door IP-43		
12 Module X 2 Tier DB	ETN2TRDD4312	6160
12 Module X 3 Tier DB	ETN3TRDD4312	7530
8 Module X 4 Tier DB	ETN4TFDB4308	6875
10 Module X 4 Tier DB	ETN4TFDB4310	7530
14 Module X 4 Tier DB	ETN4TFDB4314	8585

7 and 8 Segment TPN DB



Way	Part No.	Unit MRP	Part No.	Unit MRP
7 Segment Double Door			8 Segment Double Door	
4	ETNPSG7S4204	13075	ETNPSG8S4204	13745
6	ETNPSG7S4206	14675	ETNPSG8S4206	15740
8	ETNPSG7S4208	16275	ETNPSG8S4208	16275
12	ETNPSG7S4212	20685	ETNPSG8S4212	21345

- IP-43 is available (price on request)

TV Telephone DB



Way	Single Phase IP 43	Unit MRP	Three Phase IP 43	Unit MRP
4	ETNTVTELSN04	5110	ETNTVTELTNP04	9200
6	ETNTVTELSN06	5590	ETNTVTELTNP06	9825
8	ETNTVTELSN08	5895	ETNTVTELTNP08	10605
12	ETNTVTELSN12	6525	ETNTVTELTNP12	12020
16	ETNTVTELSN16	7155		

Cable End Box

Part No.	Unit MRP
ETNSPNDD4204CB	On Request
ETNSPNDD4206CB	On Request
ETNSPNDD4208CB	On Request
ETNSPNDD4212CB	On Request
ETNSPNDD4216CB	On Request
ETNTPNDD4204CB	On Request
ETNTPNDD4206CB	On Request
ETNTPNDD4208CB	On Request
ETNTPNDD4212CB	On Request

- IP 43 available on request

Metal Enclosures



Module	Part No.	Unit MRP
Double Door		
2	ETNME002M	805
4	ETNME004M	805

Metal Clad Plug and Socket Enclosures



Product Description	Metal Clad P&S	Unit MRP
SPN P&S 20 AMP 1P	ETNPS20SP	1945
SPN P&S 20 AMP 2P	ETNPS20DP	2075
TPN P&S 30 AMPS SE003 3P	ETNPS30TP	4140

- IP-43 is available (price on request)

- Any customized DB's is possible (MOQ-10 Nos) • Price on request
- Any RAL Color is possible to suit the interior Wall Color, Matt Finish/Glossy Finish is possible (MOQ-100 Nos) • Price on request

Effective 1st March 2022

DC Switch Disconnectors for PV - application

Dumeco

- *Full 2 pole DC Switch-disconnectors
- *4 Frame-sizes 63A-1250A, @1000Vdc
- *No need for bridging links
- *Bi-directional pole connection
- *No de-rating, fully rated at 65°C up to 250A
- *Small footprint
- *High Endurance



#Please contact nearest Eaton office for More details

P-SOL & "N"-Type

P-SOL 2-poles

- Rated operational voltage 1000 VDC
- Utilization category DC-21A
- 20A, 30A & 60A



"N"-Type Switch-disconnectors for 1000/1500 V DC, 1 and 2 pole

- Rating from 160A to 1600A
- IEC/EN 60947-3
- Main switch characteristics including positive drive to IEC/EN 60204 and VDE 0113
- Isolating characteristics to IEC/EN 60947 and VDE 0660
- Busbar tag shroud to VDE0160 Part100
- Can be combined with voltage releases, Motor Operated Mechanism & Auxiliary Contacts
- Switches cannot be combined with withdrawable units and/or connection on rear

DC Circuit Breaker for PV - application

DC string circuit-breaker PKZ-SOL

- Rated operational voltage 900 VDC
- Rated current In 4, 7, 12, 20, and 30 A
- For permissible string short-circuit currents I_{sc} of 5 up to 22 A



#Please contact nearest Eaton office for more details

PV Gard Solar Photovoltaic Circuit Breakers

- Rated operational voltage 1000 VDC (poles-in-series)
- Up to 800A
- Fixed thermal, fixed magnetic
- 50-°C calibration
- Tested to extreme ambient conditions from -40-°C to +90-°C



For pricing & technical details of following Din Rail Mounted products, please contact Eaton

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Digital RCD's & Earth Leakage Monitor • Metering Instruments : <ul style="list-style-type: none"> - Analogue Ammeter & Voltmeter - Digital Ammeter and Voltmeter - Power Meter - Operating Hour & Pulse Counter • Push Buttons and Indicating Lights | <ul style="list-style-type: none"> • Contactors • Relays <ul style="list-style-type: none"> - Undervoltage Relay - Undervoltage Monitoring Relay - Load Shedding Relay - Time Lag Relay - Impulse Relay - Installation Relay | <ul style="list-style-type: none"> • Staircase switch • Industrial Switch • Rotary Switch • Light Intensity Switch • Signaling Devices Buzzer / Bell |
|---|---|---|



Effective 1st March 2022

FAZ Miniature Circuit Breakers

UL 1077 DIN Rail Supplementary Protectors



Optimum and Efficient Protection for Every Application

Standards and Certifications

FAZ complies with the latest national and international standards.

- UL 1077, CSA C22.2 No. 235
 - Apply to supplementary protectors intended for use as overcurrent, or overvoltage or undervoltage protection within an appliance or other electrical equipment where branch circuit protection is already provided, or is not required

- RoHS compliant
- VDE compliant
 - Devices with B, C, and D curves are VDE compliant
- CCC
 - Devices with B, C, and D curves are CCC compliant
- ABS compliant



FAZ Circuit Breakers

Product Overview

Optimum product quality, tested reliability and safety stand for best protection of personnel, installations and plant. Eaton's FAZ DIN rail mountable circuit breaker is designed for use in control panel applications.

Powerful offering for machine and system builders

The FAZ is available with B, C, D, K, S, and Z characteristics in accordance with UL 1077, CSA C22.2 No. 235 and IEC 60947-2. These devices are CE marked.

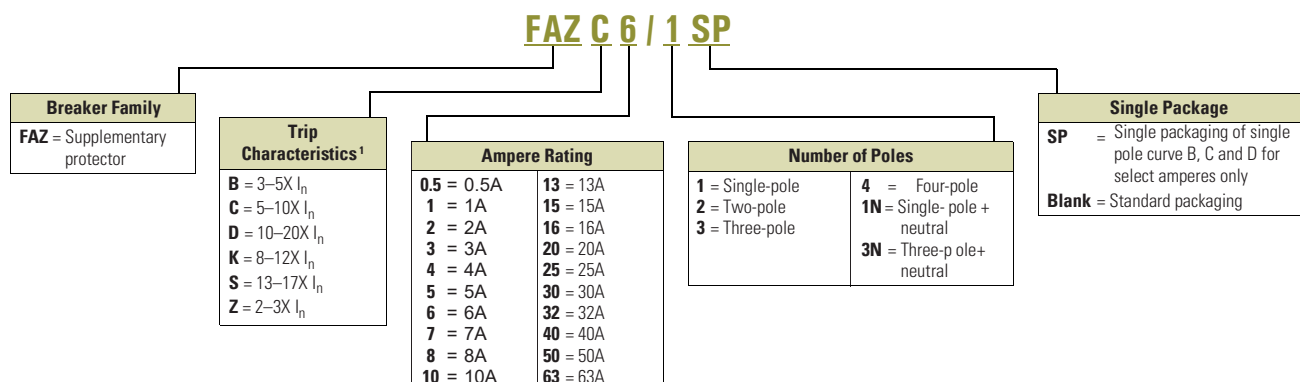
Application Description

- Supplementary protection
- Control circuits
- Lighting
- Business equipment
- Appliances

Features

- Complete range of UL 1077 recognized DIN rail mounted miniature circuit breakers up to 63A current rating
- Standard ratings of 10 kAIC up to 277/480 Vac
- Current limiting design provides fast short-circuit interruption that reduces the let-through energy, which can damage the circuit
- Suitable for supplementary protection
- Thermal-magnetic over current protection
 - Six levels of short-circuit protection, categorized by B,C,D,K,S and Z curves
- Trip-free design—breaker can not be defeated by holding the handle in the ON position
- Captive screws cannot be lost
- Fullfill UL 1077, CSA C22.2 No. 235 and IEC 60947-2 Standard
- Field-installable shunt trip and auxiliary switch subsequent mounting
- Module width of only 17.7 mm (per pole)
- Contact position indicator (red/green)
- Easy installation on DIN rail
- Possibility for sealing the toggle in ON or OFF position

Catalog Number Selection



Note

¹ I_n = Rated current for instantaneous trip characteristics.

*Please contact nearest Eaton office for price

Effective 1st March 2022

FAZ-NA Miniature Circuit Breakers

UL 489 DIN Rail Miniature Circuit Breakers



Optimum and Efficient Protection for Every Application

FAZ-NA Circuit Breakers

Product Overview

Optimum product quality, tested reliability and safety stand for best protection of personnel, installations and plant. Eaton's FAZ-NA DIN rail mountable circuit breaker is designed for use in branch service applications.

Powerful Offering for Machine and System Builders

The FAZ-NA is available with B, C and D characteristics in accordance with UL 489, CSA C22.2 No.5; UL 1077, CSA C22.2 No.235 and IEC 60947-2. These devices are CE marked.

Application Description

Feeder and branch circuit protection for:

- Convenience receptacle circuits (internal/external)
- Motor control circuits
- Load circuits leaving the equipment (external)
- HACR internal/external equipment (heating, air conditioning, refrigeration)

- PLC I/O points
- Computers
- Power supplies
- Control instrumentation
- Relays
- UPS
- Power conditioners

Features

- Complete range of UL 489 listed DIN rail mounted miniature circuit breakers up to 40A current rating
- Standard ratings of 10 kAIC up to 277/480 Vac
- Select amperages available at 14 kAIC up to 277/480 Vac and 10 kAIC up to 125 Vdc per pole
- Current limiting design provides fast short-circuit interruption that reduces the let-through energy which can damage the circuit
- Suitable for branch circuit device protection
- Thermal-magnetic overcurrent protection
- Three levels of shortcircuit protection, categorized by B, C and D curves

Standards and Certifications

FAZ-NA complies with the latest national and international standards.

- UL 489
 - Standard for molded case circuit breakers (MCCB) for feeder and branch circuit protection
 - Products meet the requirements of the National Electrical CodeR (NECR)
- RoHS compliant
- VDE compliant
- ABS compliant

- CSA C22.2 No.5
 - Standard for molded case circuit breakers (MCCB) for feeder and branch circuit protection (corresponds closely to UL 489 Standard)
 - Products meet the requirements of the Canadian Electrical Code (CEC)



Device Printing on Front and Side Installation options

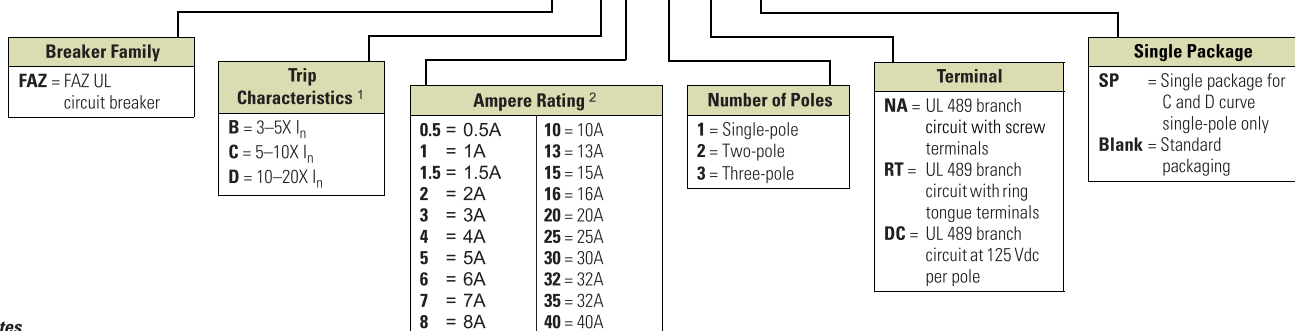
These branch circuit breakers are available in two terminal configurations: standard box terminals that accept multiple conductors and ring-tongue terminals, ideally suited to demanding requirements of the semi-conductor industry.

All breakers mount on standard 35 mm DIN rail.

Bus connectors and feeder terminal facilitate mounting and wiring of multiple miniature circuit breaker arrays in control panel assemblies. These circuit breakers can also be reverse feed.

Catalog Number Selection

FAZ C 6 / 1 NA SP



Notes

- I_n = Rated current for instantaneous trip characteristics.
- B curve starts at 1 ampere.

*Please contact nearest Eaton office for Price

Effective 1st March 2022

Global technology Regional solutions

Electrical
standards and
certifications

America | Europe | Middle East | Africa | Asia Pacific



Terms & Conditions

1. Prices are Maximum Retail Prices, Ex Warehouse.
2. Prices are subject to change without prior notice.
3. Prices applicable at the time of delivery will be charged.
4. Normal stock items classification is subject to change without prior notice
5. Warranty: Products are covered under warranty for a period of 12 months from the date of supply against any manufacturing defect subject to usage under normal conditions and as per technical parameters set out in technical catalogues and installation manuals.

Eaton's liability shall be limited to replace/repair the defective product, at its option, ex warehouse basis, after the defective products is returned to our warehouse/sales office.



Powering Business Worldwide

India Head Office

Eaton Power Quality Pvt. Ltd.

2, EVR Street, Sedarpet

Industrial Estate

Pondicherry-605111

Tel: +91 413 2672000

Enquiries - EatonElectricalIndia@eaton.com

www.eaton.com

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Offices Across India

Mumbai

Unit No. 101 & 102 "A" wing,
1st Floor, 215 Atrium, Andheri - Kurla
Road, Andheri (East),
Mumbai - 400 059.
Mobile: +91 8291967878, 9321199760

Chennai

No. 36, Nehru Street,
Old Mahabhalipuram Road,
Sholinganallur, Chennai-600 119, India
Tel: +91 44 66501544/45
Mobile: +91 9884775774, 9381381414

Delhi

Unit A1 & B1, 3rd Floor, TDI Centre
Plot No. 7, Jasola, New Delhi-110025
Tel: +91 11 45851800
Mobile: +91 9711789514, 9310003714,
9582250517

Bangalore

4th Floor, Prestige Atrium, Central Street
Bangalore 560001, India
Tel: +91 80 49012200
Mobile: +91 7290030399, 9742252517

Kolkata

Matrix Tower, DN-24, 2nd Floor
Room no. 203, Sector - V,
Salt Lake City, Kolkata-700091
Tel: +91 33 40040991/92/93
Mobile: +91 9051809099

Pune

145, Off. Mumbai - Pune Road
Pimpri, Pune-411018
Tel.: +91 29 30611886,
Mobile: +91 9326506988, 9028970800

Coimbatore

Mobile: +91 9381381414,
9344893165

Hyderabad

Tel: +91 40 40189601
Mobile: +91 7290031227

Ahmedabad

Mobile: +91 9377464065

Chandigarh

Mobile: +91 9501177119

Indore

Mobile: +91 9977236899,
7580942940

Vadodara

Mobile: +91 7290009954

* Product information & specification are subject to change due to continuous product evolution. For latest information please contact Eaton sales office.