

ELECTROTECHNICAL PRODUCTS CATALOG



PROMFACTOR BALTIC

Manufacturer of low voltage electrical equipment

August
2015



UAB «PROMFACTOR BALTIC»

Modular low voltage devices

ECO series

Miniature circuit breakers (6kA)

Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB1-63	1	B,C	6A
FB1-63	1	B,C	10A
FB1-63	1	B,C	13A
FB1-63	1	B,C	16A
FB1-63	1	B,C	20A
FB1-63	1	B,C	25A
FB1-63	1	B,C	32A
FB1-63	1	B,C	40A
FB1-63	1	B,C	50A
FB1-63	1	B,C	63A



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB1-63	2	B,C	6A
FB1-63	2	B,C	10A
FB1-63	2	B,C	13A
FB1-63	2	B,C	16A
FB1-63	2	B,C	20A
FB1-63	2	B,C	25A
FB1-63	2	B,C	32A
FB1-63	2	B,C	40A
FB1-63	2	B,C	50A
FB1-63	2	B,C	63A



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB1-63	3	B,C	6A
FB1-63	3	B,C	10A
FB1-63	3	B,C	13A
FB1-63	3	B,C	16A
FB1-63	3	B,C	20A
FB1-63	3	B,C	25A
FB1-63	3	B,C	32A
FB1-63	3	B,C	40A
FB1-63	3	B,C	50A
FB1-63	3	B,C	63A



Residual current circuit breakers

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)
FPR1	2	30, 100	25
FPR1	2	30, 100	40
FPR1	2	30, 100	63
FPR1	4	30, 100	25
FPR1	4	30, 100	40
FPR1	4	30, 100	63

Residual current circuit breakers with over-current protection

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)	Tripping curve
FAP1	2	30	10	C
FAP1	2	30	16	C
FAP1	2	30	20	C
FAP1	2	30	25	C
FAP1	2	30	32	C



STANDART series

Miniature circuit breakers (6kA)

Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB2-63	1	B,C	1A
FB2-63	1	B,C	2A
FB2-63	1	B,C	3A
FB2-63	1	B,C	4A
FB2-63	1	B,C	6A
FB2-63	1	B,C	10A
FB2-63	1	B,C	13A
FB2-63	1	B,C	16A
FB2-63	1	B,C	20A
FB2-63	1	B,C	25A
FB2-63	1	B,C	32A
FB2-63	1	B,C	40A
FB2-63	1	B,C	50A
FB2-63	1	B,C	63A



Accessories for miniature circuit breakers

Auxiliary contact

Specification	Rated voltage (V)	Rated current (A)
FA2	230	6



Shunt release

Specification	Rated voltage (V)
FSR2	230



Under-voltage release

Specification	Rated voltage (V)	Operating voltage % of Un
FUV2	230	35-70%



STANDART series

Miniature circuit breakers (6kA)



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB2-63	2	B,C	1A
FB2-63	2	B,C	2A
FB2-63	2	B,C	3A
FB2-63	2	B,C	4A
FB2-63	2	B,C	6A
FB2-63	2	B,C	10A
FB2-63	2	B,C	13A
FB2-63	2	B,C	16A
FB2-63	2	B,C	20A
FB2-63	2	B,C	25A
FB2-63	2	B,C	32A
FB2-63	2	B,C	40A
FB2-63	2	B,C	50A
FB2-63	2	B,C	63A



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB2-63	3	B,C	1A
FB2-63	3	B,C	2A
FB2-63	3	B,C	3A
FB2-63	3	B,C	4A
FB2-63	3	B,C	6A
FB2-63	3	B,C	10A
FB2-63	3	B,C	13A
FB2-63	3	B,C	16A
FB2-63	3	B,C	20A
FB2-63	3	B,C	25A
FB2-63	3	B,C	32A
FB2-63	3	B,C	40A
FB2-63	3	B,C	50A
FB2-63	3	B,C	63A



Residual current circuit breakers

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)
FPR2	2	30, 100	25
FPR2	2	30, 100	40
FPR2	2	30, 100	63
FPR2	4	30, 100	25
FPR2	4	30, 100	40
FPR2	4	30, 100	63
FPR2	4	100	80
FPR2	4	100	100

Residual current circuit breakers with over-current protection

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)	Tripping curve
FAP1	2	30	10	C
FAP1	2	30	16	C
FAP1	2	30	20	C
FAP1	2	30	25	C
FAP1	2	30	32	C
FAP1	2	30	40	C

Modular contactor

Specification	Coil voltage (V)	Number of poles (P)	Rated current (A)	Combination of contacts
MCF2	230	2	20, 25, 40, 63	2NO
MCF2	230	2	20, 25, 40, 63	1NO+1NC
MCF2	230	2	20, 25, 40, 63	2NC
MCF2	230	4	20, 25, 40, 63	4NO
MCF2	230	4	20, 25, 40, 63	3NO+1NC
MCF2	230	4	20, 25, 40, 63	2NO+2NC
MCF2	230	4	20, 25, 40, 63	4NC

Switch disconnectors

Specification	Number of poles (P)	Rated current (A)
FSD2	1	10A
FSD2	1	16A
FSD2	1	25A
FSD2	1	32A
FSD2	1	40A
FSD2	1	50A
FSD2	1	63A
FSD2	1	80A
FSD2	1	100A
FSD2	1	125A



Indicator lights

Specification	Rated voltage (V)	Colour
FMI2	230	yellow LED
FMI2	230	green LED
FMI2	230	red LED
FMI2	230	white LED
FMI2	230	blue LED



Modular pushbuttons with indicator lights

Specification	Rated voltage (V)	Colour	Combination of contacts
FMI2 P LED	230	red	2NO+1NC
FMI2 P LED	230	green	2NO+1NC

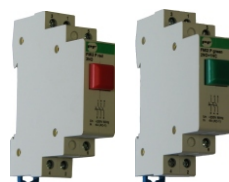


Specification	Number of poles (P)	Rated current (A)
FSD2	2	10A
FSD2	2	16A
FSD2	2	25A
FSD2	2	32A
FSD2	2	40A
FSD2	2	50A
FSD2	2	63A
FSD2	2	80A
FSD2	2	100A
FSD2	2	125A



Modular pushbuttons

Specification	Rated voltage (V)	Colour	Combination of contacts
FMI2 P	230	red	2NO+1NC
FMI2 P	230	red	2NO+2NC
FMI2 P	230	red	3NO+0NC
FMI2 P	230	green	2NO+1NC
FMI2 P	230	green	2NO+2NC
FMI2 P	230	green	3NO+1NC



Specification	Number of poles (P)	Rated current (A)
FSD2	3	10A
FSD2	3	16A
FSD2	3	25A
FSD2	3	32A
FSD2	3	40A
FSD2	3	50A
FSD2	3	63A
FSD2	3	80A
FSD2	3	100A
FSD2	3	125A





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EVO series

Miniature circuit breakers (10kA)

Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB3-63	1	B, C	1
FB3-63	1	B, C	2
FB3-63	1	B, C	3
FB3-63	1	B, C	4
FB3-63	1	B, C, D	6
FB3-63	1	B, C, D	10
FB3-63	1	B, C, D	13
FB3-63	1	B, C, D	16
FB3-63	1	B, C, D	20
FB3-63	1	B, C, D	25
FB3-63	1	B, C, D	32
FB3-63	1	B, C, D	40
FB3-63	1	B, C, D	50
FB3-63	1	B, C, D	63
FB3-125	1	C, D	80
FB3-125	1	C, D	100
FB3-125	1	C, D	125



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB3-63	2	B, C	1
FB3-63	2	B, C	2
FB3-63	2	B, C	3
FB3-63	2	B, C	4
FB3-63	2	B, C, D	6
FB3-63	2	B, C, D	10
FB3-63	2	B, C, D	13
FB3-63	2	B, C, D	16
FB3-63	2	B, C, D	20
FB3-63	2	B, C, D	25
FB3-63	2	B, C, D	32
FB3-63	2	B, C, D	40
FB3-63	2	B, C, D	50
FB3-63	2	B, C, D	63
FB3-125	2	C, D	80
FB3-125	2	C, D	100
FB3-125	2	C, D	125



Specification	Number of poles (P)	Tripping curve	Rated current (A)
FB3-63	3	B, C	1
FB3-63	3	B, C	2
FB3-63	3	B, C	3
FB3-63	3	B, C	4
FB3-63	3	B, C, D	6
FB3-63	3	B, C, D	10
FB3-63	3	B, C, D	13
FB3-63	3	B, C, D	16
FB3-63	3	B, C, D	20
FB3-63	3	B, C, D	25
FB3-63	3	B, C, D	32
FB3-63	3	B, C, D	40
FB3-63	3	B, C, D	50
FB3-63	3	B, C, D	63
FB3-125	3	C, D	80
FB3-125	3	C, D	100
FB3-125	3	C, D	125



Accessories for miniature circuit breakers

Auxiliary contact and alarm contact

Specification	Rated voltage (V)	Rated current (A)
FA3	230	6



Shunt release

Specification	Rated voltage (V)
FSR3	230



Under-voltage release

Specification	Rated voltage (V)	Operating voltage % of Un
FUV2	230	35-70%



Residual current circuit breakers

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)
FPR3	2	30, 100	25
FPR3	2	30, 100	40
FPR3	2	30, 100	63
FPR3	4	30, 100	25
FPR3	4	30, 100	40
FPR3	4	30, 100	63
FPR3	4	100	80
FPR3	4	100	100



Residual current circuit breaker with over-current protection

Specification	Number of poles (P)	Rated residual operating current (mA)	Rated current (A)	Tripping curve
FAP3	2	30	10	C
FAP3	2	30	16	C
FAP3	2	30	20	C
FAP3	2	30	25	C
FAP3	2	30	32	C
FAP3	2	30	40	C



Switch disconnectors

Specification	Number of poles (P)	Rated current (A)
FSD3	1	10A
FSD3	1	16A
FSD3	1	25A
FSD3	1	32A
FSD3	1	40A
FSD3	1	50A
FSD3	1	63A
FSD3	1	80A
FSD3	1	100A
FSD3	1	125A



Specification	Number of poles (P)	Rated current (A)
FSD3	2	10A
FSD3	2	16A
FSD3	2	25A
FSD3	2	32A
FSD3	2	40A
FSD3	2	50A
FSD3	2	63A
FSD3	2	80A
FSD3	2	100A
FSD3	2	125A



Specification	Number of poles (P)	Rated current (A)
FSD3	3	10A
FSD3	3	16A
FSD3	3	25A
FSD3	3	32A
FSD3	3	40A
FSD3	3	50A
FSD3	3	63A
FSD3	3	80A
FSD3	3	100A
FSD3	3	125A



Modular contactor

Specification	Coil voltage (V)	Number of poles (P)	Rated current (A)	Combination of contacts
MCF3	230	2	20, 25, 40, 63	2NO
MCF3	230	2	20, 25, 40, 63	1NO+1NC
MCF3	230	2	20, 25, 40, 63	2NC
MCF3	230	4	20, 25, 40, 63	4NO
MCF3	230	4	20, 25, 40, 63	3NO+1NC
MCF3	230	4	20, 25, 40, 63	2NO+2NC
MCF3	230	4	20, 25, 40, 63	4NC

Indicator lights

Specification	Rated voltage (V)	Colour
FMI3	230	yellow LED
FMI3	230	green LED
FMI3	230	red LED



Modular pushbuttons

Specification	Coil voltage (V)	Colour	Combination of contacts
FMI3 P	230	red	2NO+1NC
FMI3 P	230	red	2NO+2NC
FMI3 P	230	red	3NO+0NC
FMI3 P	230	green	2NO+1NC
FMI3 P	230	green	2NO+2NC
FMI3 P	230	green	3NO+1NC



Bells

Specification	Rated voltage (V)	Rated power (W)	Rated frequency (Hz)
FBE3	24, 230	8	50



Bell transformers

Specification	Rated input voltage (V)	Rated output voltage (V)	Rated output power (W)	Rated frequency (Hz)
TRF3	230	8, 12, 24	8	50



Motor starters

Specification	Rated frequency (Hz)	Rated current (A)	Operating voltage (V)
FMP2	50	0,63-1	230/400
FMP2	50	1-1,6	230/400
FMP2	50	1,6-2,5	230/400
FMP2	50	2,5-4	230/400
FMP2	50	4-6,3	230/400
FMP2	50	6-10	230/400
FMP2	50	9-14	230/400
FMP2	50	13-18	230/400
FMP2	50	17-23	230/400
FMP2	50	20-25	230/400
FMP2	50	25-40	230/400
FMP2	50	40-63	230/400
FMP2	50	56-80	230/400



Accessories for motor starters

Auxiliary contact and alarm contact (side)

Specification
ACs-11 (FMP2-25)
ALCs-1001 (FMP2-25)

Auxiliary contact (top)

Specification
ACt-11 (FMP2-25)

Shunt release

Specification
SRs (FMP2)

Under-voltage release

Specification
UVs(FMP2)





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Moulded case circuit breakers



Specification	Number of poles (P)	Rated current (A)	Breaking capacity (kA)	Rated operating voltage (V)
FMC1 U	3	16, 20, 25, 32, 40, 50, 63	15	380
FMC2 U	3	25, 32, 40, 50, 63, 80, 100	25	380
FMC3 U	3	100, 125, 160, 200, 225	25	380
FMC4 U	3	250, 315, 350, 400	35	380
FMC5 U	3	400, 500, 630	35	380
FMC6 U	3	630, 700, 800	60	380
FMC7 U	3	800, 1000, 1250	65	380

External accessories for moulded case circuit breakers

Rotary handle



Motor drive mechanism



Front connection plate



AC contactors

Specification	Rated current (A)	Operating voltage (V)	Rated coil voltage (V)
FC-1	6, 9, 12, 16	230/380	24, 36, 42, 110, 127, 230, 380
FC-2	25	230/380	24, 36, 42, 110, 127, 230, 380
FC-3	32	230/380	24, 36, 42, 110, 127, 230, 380
FC-4	40, 50, 63, 75	230/380	24, 36, 42, 110, 127, 230, 380
FC-5	63, 80, 100, 125	230/380	24, 36, 42, 110, 127, 230, 380
FC-6	160, 200, 250	230/380	24, 36, 42, 110, 127, 230, 380
FC-7	315, 400, 500	230/380	110, 230, 380
FC-8	63, 800, 1000	230/380	230, 380



Thermal relays

Specification	Rated current (A)
FTR 2M 32B (plug-in type)	0,1-0,16; 0,16-0,25; 0,25-0,4; 0,63-1; 1-1,4; 1,3-1,8; 1,7-2,4; 2,2-3,1; 2,8-4; 3,5-5; 4,5-6,5; 6-8,5; 7,5-11; 10-14; 13-19; 18-25; 24-32
FTR 2M 80B (plug-in type)	29-42; 36-52; 45-63; 60-80
FTR 2M 25A (independent type)	1,6-2,5; 2,5-4; 4-6; 5,5-8; 7-10; 9-13; 12-18; 17-25
FTR 2M-36A (independent type)	23-32; 28-36
FTR 2M-93A (independent type)	37-50; 48-65; 55-70; 63-80; 80-93
FTR 2M-200A (independent type)	80-125; 100-160; 125-200
FTR 2M-630A (independent type)	200-315; 250-400; 315-500; 400-630



Inner accessories for moulded case circuit breakers

Shunt release



Under-voltage release



Auxiliary contact



Alarm contact



Accessories for AC contactors

Mechanical interlocking for FC1-3



Mechanical interlocking for Fc4



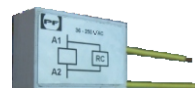
Mechanical interlocking for F5-8



Auxiliary contact groups for FC1-4



RC-filter



LC-filter



Bases for FTR2M-25A; FTR 2M-36A; FTR 2M-93A

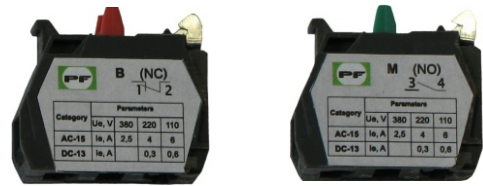


Pushbutton switches



Specification	Colour	Protection degree (IP)	Combination of contacts (NO/Mke; NC/Break)
FP PCP gr 1M/40	green	40	1M
FP PCPB gr 1M/54	green	54	1M
FP P CPB gr 1B/54	green	54	1B
FP PCP bl 1M/40	black	40	1M
FP PCP r 1B/40	red	40	1B
FP PCPI gr 1M/54	green	54	1M
FP PCPB r 1B/40	red	40	1B
FP PCPB r 1B/54	red	54	1B
FP PM r 1B1M/54	red	54	1B/1M
FP CM r 1B/54	red	54	1B
FP CM r 1B1M/54	red	54	1B/1M
FP CMKL r 1B/54	red	54	1B
FP Prec r/gr 1M1B/54	green /red	54	1M/1B
FP Rec 1M/54	black	54	1M
FP Rec 2M/54	black	54	2M
FP Rec 1B1M/54	black	54	1B/1M
FP PCP gr Start 1M/40	green	40	1M
FP PCP r Stop 1B/40	red	40	1B
FP Recl gr LED 1B1M/40	green	40	1B/1M
FP Recl r LED 1B1M/40	red	40	1B/1M
FP Prec Z Start/Stop 1M1B/40	green /red	40	1M/1B

Contact blocks for pushbutton switches



Silicone cap



LED indicator lamps



Specification	Rated voltage (V)	Rated current (mA)	Colour
FP L	230	≤20	yellow LED
FP L	230	≤20	green LED
FP L	230	≤20	red LED
FP L	230	≤20	white LED
FP L	230	≤20	blue LED

Control station



Specification	Space	Protection degree (IP)
Val p 1	1	IP65
Val p 1	2	IP65
Val p 1	3	IP65
Val p 1	4	IP65