

■ Datasheet: Motor Protection Switches Series BE6



■ SCHRACK-INFO

- Motor protection switch 3-pole from 24A up to 63A
- Class 10
- Optional auxiliary contact blocks available

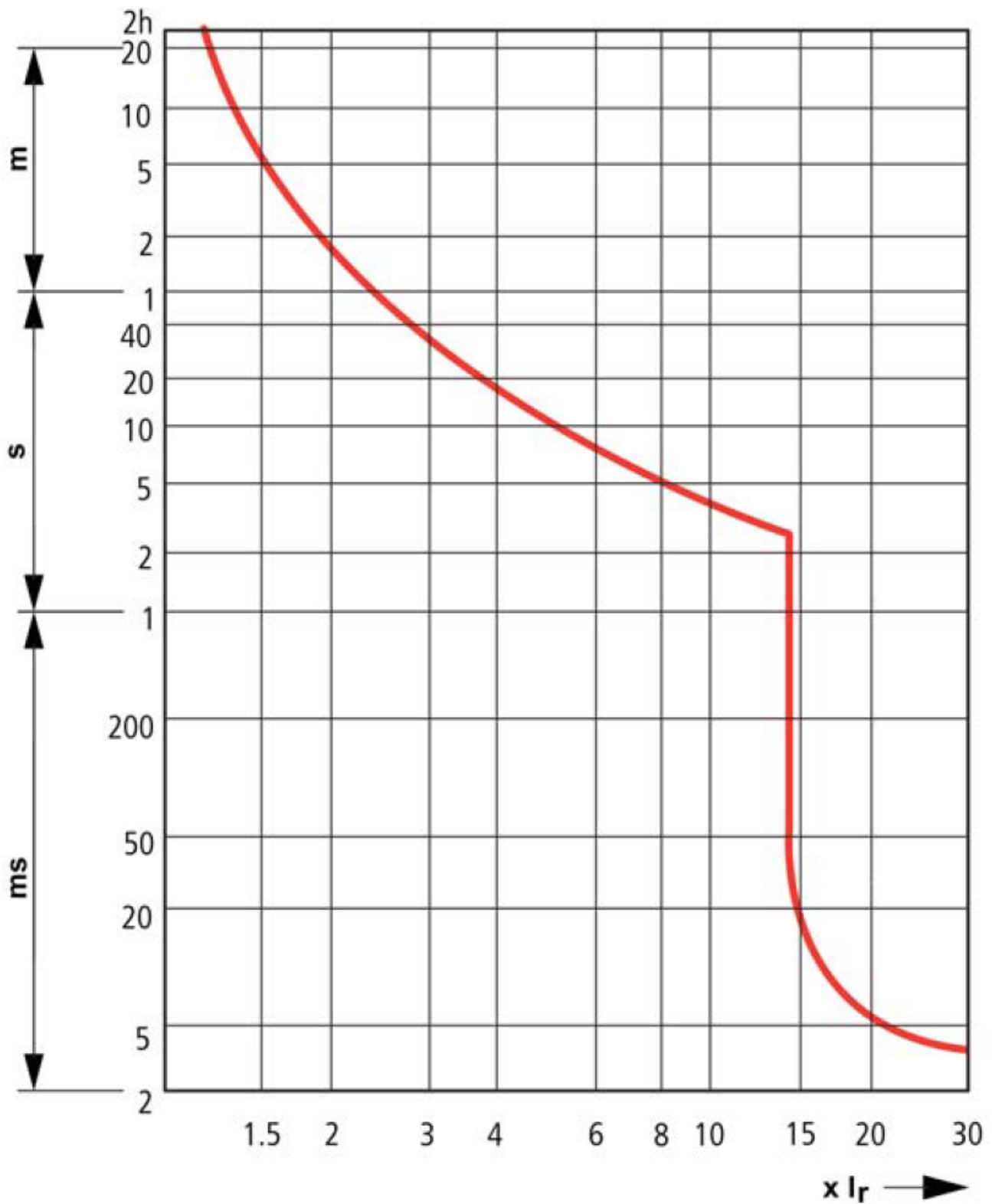
■ Technical datas

Standards		EN 60647, IEC 60947
Rated current I_n		32 - 63A
Rated uninterrupted current = rated operational current $I_u = I_n$		63 A or current setting of the overcurrent release
Rated operational voltage U_n		690VAC
Rated frequency		40 – 60Hz
Tripping	Overload	adjustable 0,6 - 1 x I_n
	Short circuit	set permanently on 14 x I_n
Phase failure protection		yes
Tripping capacity		50kA
Direction of electric current		any
Rated impulse withstand voltage U_{imp}		6000VAC
Overvoltage category		III
Current heat loss (3 pole at operating temperature)		9,5W
Lifespan	mechanical	30.000 operations
	electrical (AC-3 at 400V)	30.000 operations
Maximum operating frequency		40 operations per hour
Short-circuit rating	AC-3 (up to 690V)	63A
	DC-5 (up to 250V)	63A (3 contacts in series)
Degree of protection	Device	IP20
	Terminations	IPO0
Protection against direct contact		Finger and back-of-hand proof
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		15g

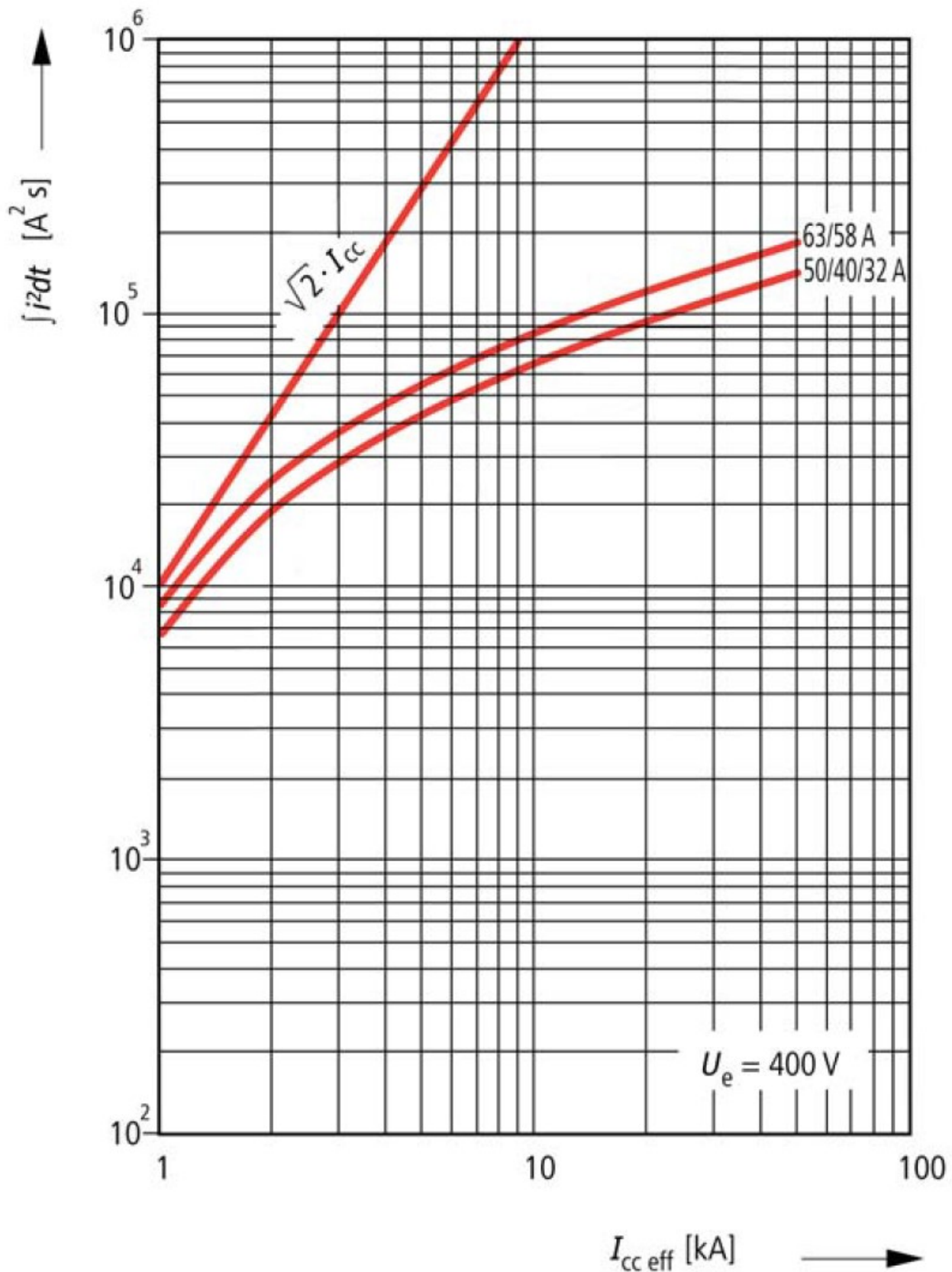
Altitude	max. 2000 m
Climatic proofing	Damp heat, constant, to IEC 60068-2-78
	Damp heat, cyclic, to IEC 60068-2-30
Pollution degree	3
Ambient temperature	Stock -25°C up to 70°C
	Not enclosed -25°C up to 55°C
	Enclosed -25°C up to 40°C
Terminals	Screw-terminals
	Single wire 1 x 1 - 50mm ² / 2 x 1 - 35mm ²
	Flexible with ferrule 1 x 1 - 35mm ² / 2 x 1 - 35mm ²
Torque	Mains 3Nm

Article	max. rated operational power AC-3					Continuous rated current <i>I_b</i>	Setting range	
	220V, 230V, 240V P [kW]	380V, 400V, 415V P [kW]	440V P [kW]	500V P [kW]	660V, 690V P [kW]		Overload tripping <i>I_r</i>	Short circuit tripping <i>I_m</i>
BE632000	7,5	15	17,5	22	22	32	25 - 32	448
BE640000	11	20	22	24	30	40	32-40	560
BE650000	14	25	30	30	45	50	40-50	700
BE658000	17	30	37	37	55	58	50-58	812
BE663000	18,5	34	37	45	55	65	55-63	882

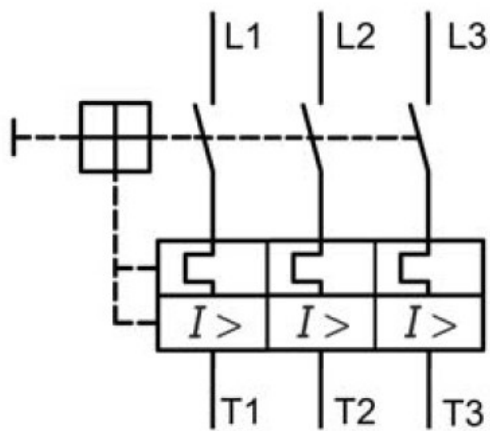
■ Tripping Characteristic Curve



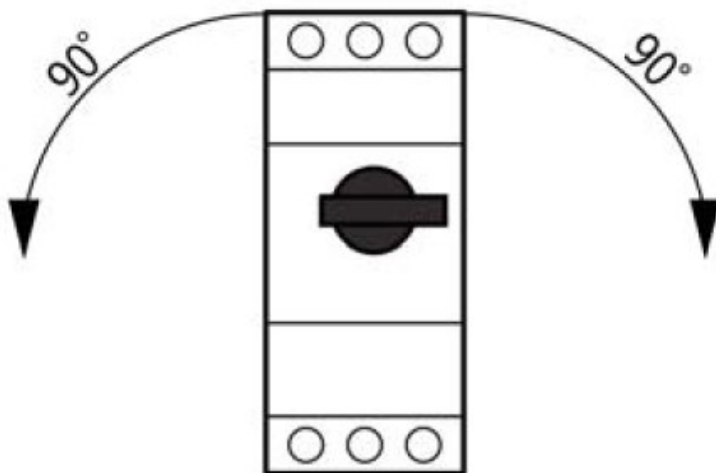
Let-through Energy Diagram



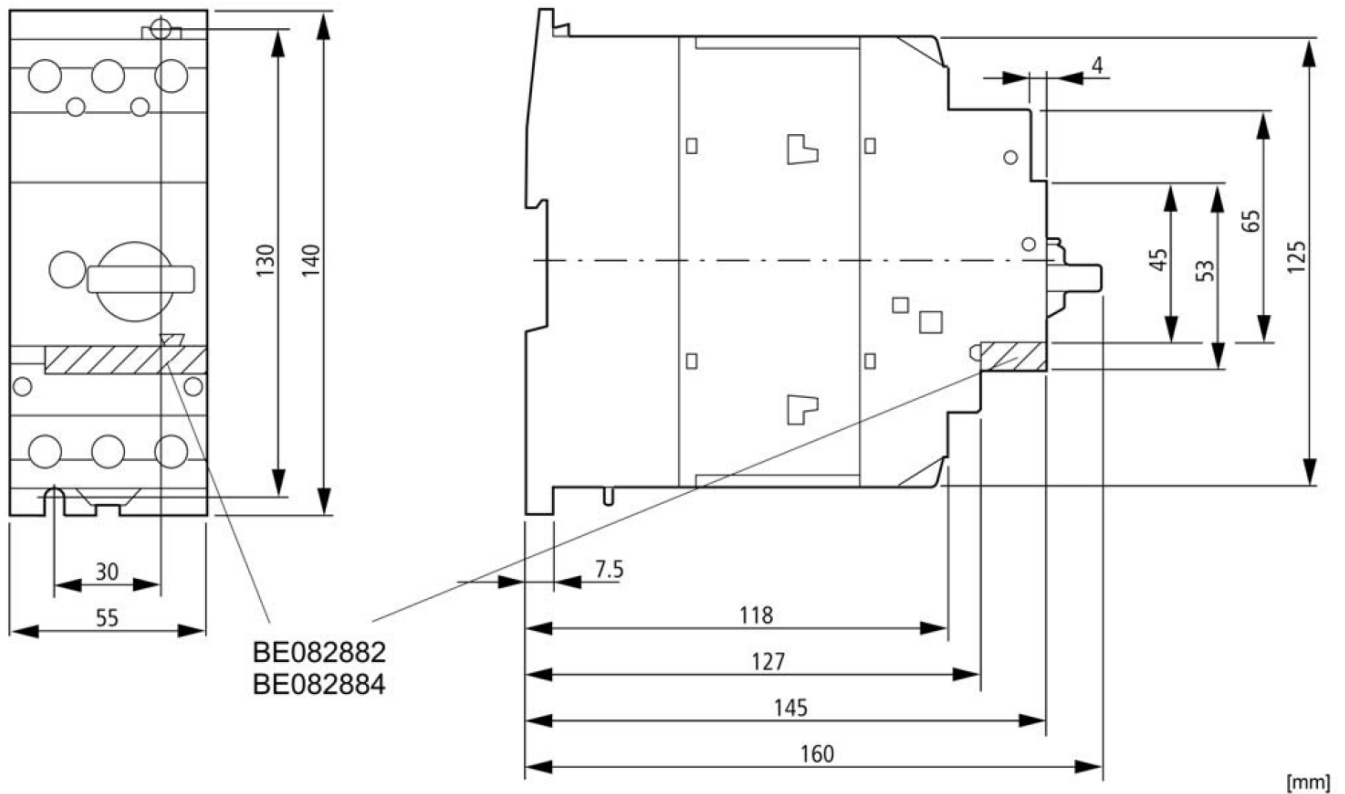
■ Wiring diagram



■ Mounting position



Dimensions



Articles

DESCRIPTION	ORDER NO.
Motor Protection Switches Series BE6	
24-32A	BE632000
32-40A	BE640000
40-50A	BE650000
50-58A	BE658000
55-63A	BE663000
Auxiliary contacts	
Auxiliary contact front, 1NO+1NC	BE082882
Auxiliary contact front, 1NO	BE082884