

HYUNDAI

UCB1600

Molded Case Circuit Breaker

UCB1600, which adopts an electronic trip mechanism, offers the perfect solution for the demands of various protection functions with an wide operating range up to 1600A.

As the largest model of Hyundai molded case circuit breakers, UCB1600 realizes the optimum design through electric and kinetic analysis.

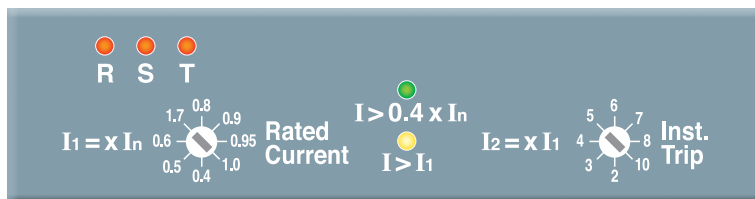
In addition, the thermal magnetic release can trip and clear the fault independently for high short circuit current which is higher than 15 times the rated current.



Ratings and Specifications

Rated current [In]		1600A
Rated current setting range [I ₁]		0.4 - 1 In
Number of poles		3
Applied standard		IEC 60947-2, EN 60947-2
Utilization category		A
Rated insulation voltage [Ui]		AC750V
Rated operational voltage [Ue]		AC690V
Rated frequency		50/60Hz
Rated impulse withstand voltage [Uimp]		8kV
Rated ultimate short circuit breaking capacity [Icu]	AC690V	25kA rms
	AC500V	35kA rms
	AC440V	45kA rms
	AC380/415V	65kA rms
	AC220/240V	100kA rms
Rated service short circuit breaking capacity [Ics]		50% Icu
Rated short circuit making capacity [Icm] at AC415V		143kA peak
Breaking time		< 20 ms
Trip mechanism		Electronic
Mechanical lifetime		> 15,000 times
Electrical lifetime at AC415V		3,000 times
Weight		27kg

Protection Characteristics

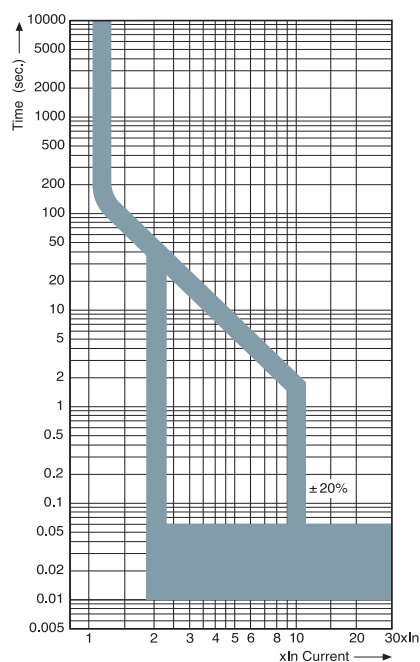


Current setting range

Base current [In]	1600A
Long time delay current [I ₁]	0.4-0.5-0.6-0.7-0.8-0.9-0.95-1 x In
Instantaneous current [I ₂]	2-3-4-5-6-7-8-10 x I ₁

LED indication

Red light	$I > 0A$
Green light	$I > 0.4 \times I_n$
Yellow light	$I > I_n$



Order Information

Item		Code	Category	
UCB1600		UCB1600S 3PESB0000C 01600	MCCB	M3
Auxiliary switch	1a1b	AUX 160NE R1	MCCB	MB
	2a2b	AUX 160NE R2		
Shunt trip	DC24V	SHT 160NE A		
	DC110V	SHT 160NE C		
	AC110V	SHT 160NE F		
	AC220V	SHT 160NE H		
	AC380V	SHT 160NE B		
Under voltage trip	AC220V	UVT 160NE P		
	AC380V	UVT 160NE Q		
Motor operator	AC220V	MOT 160NE AC220		
Operating handle (extended type)		TFH 160NE		
Interpole barrier		TQQ 160NE		

※ Terminal busbar, terminal cover, extension handle and key lock devices are supplied as standard accessories.

Dimensions

(Unit: mm)

