

**ภาคผนวก ก.**  
**Utilization Categories for Contactors and Motor-starters**

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TABLE I

Utilization Categories for Contactors and Motor-starters

Kind of current	Utilization categories	Typical applications
A.C.	AC-1	Non-inductive or slightly inductive loads, resistance furnaces
	AC-2	Slip-ring motors: starting, switching off
	AC-3	Squirrel-cage motors : starting, switching off motors during running <sup>1)</sup>
	AC-4	Squirrel-cage motors : starting, plugging, inching
	AC-5a	Switching of electric discharge lamp controls
	AC-5b	Switching of incandescent lamps
	AC-6a	Switching of transformers
	AC-6b	Switching of capacitor banks
	AC-7a <sup>3)</sup>	Slightly inductive loads in household appliances and similar applications
	AC-7b <sup>3)</sup>	Motor-loads for household applications
D.C.	DC-1	Non-inductive or slightly inductive loads, resistance furnaces
	DC-3	Shunt-motors : starting, plugging, inching
		Dynamic breaking of d.c. motors
	DC-5	Series-motors : starting, plugging, inching
		Dynamic breaking of d.c. motors
DC-6	Switching of incandescent lamps	
<p>1) AC-3 category may be used for occasional inching (jogging) or plugging for limited time periods such as machine set-up; during such limited time periods the number of such operations should not exceed five per minute or than ten in a 10-min period.</p> <p>2) Hermetic refrigerant compressor motor is a combination consisting of a compressor and a motor, both of which are enclose in the same housing, with no external shaft or shaft seals, the motor operating in the refrigerant.</p> <p>3) For AC-7a and AC-7b, see IEC 61095</p>		