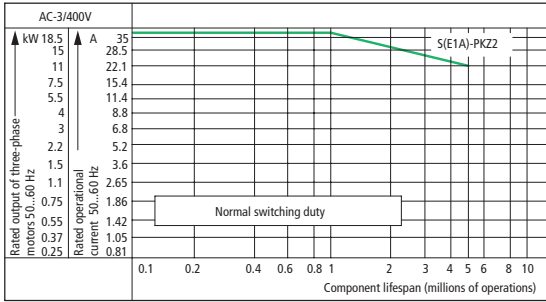


PKZ 2 Motor Protectors Selection Guidelines

S-PKZ2 high-capacity contact module, SE-PKZ2 contact module

Normal switching duty



Squirrel-cage motors

Operating characteristics: Starting: from rest
Stopping: after attaining full running speed

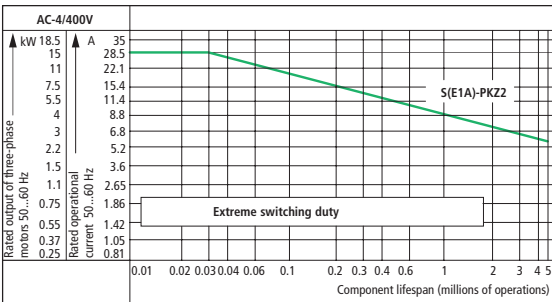
Typical applications: Compressors Elevators Mixers
Pumps Escalators Agitators
Fans Conveyors Centrifuges
Valves Bucket escalators Air-conditioning

Drives in general for manufacturing and processing machines

Electrical characteristics: Starting: up to 6 x motor rated current
Stopping: 1 x motor rated current

Utilization category: 100 % AC-3

Extreme switching duty



Squirrel-cage motors

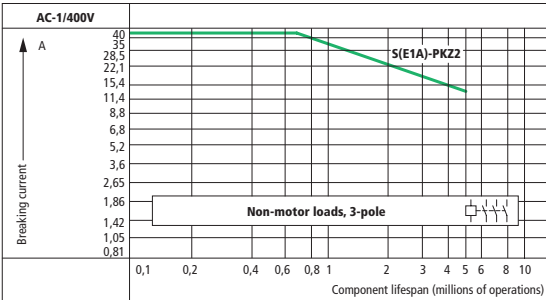
Operating characteristics: Inching, plugging, reversing

Typical applications: Printing machines
Wire-drawing machines
Centrifuges
Special drives for manufacturing and processing machines

Electrical characteristics: Starting: 6 x motor rated current
Stopping: 6 x motor rated current

Utilization category: 100 % AC-4

Light switching duty



Non-motor loads

Operating characteristics: Non-inductive or slightly inductive load

Typical applications: Electric heat

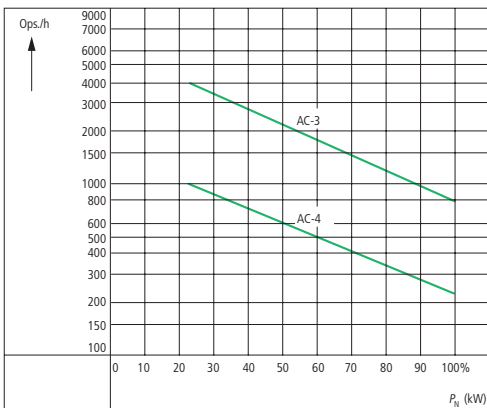
Electrical Characteristics: Starting: up to 1.5 x rated current
Stopping: 1 x rated current

Utilization category: 100 % AC-1

Determination of the maximum number of operations per hour dependent on the switching capacity and utilization category (approximate values)

P_N = Max. motor rating (HP)

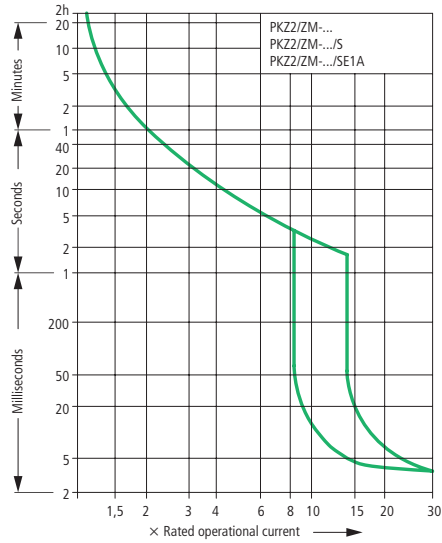
Ops./h = Max. operating frequency per hour



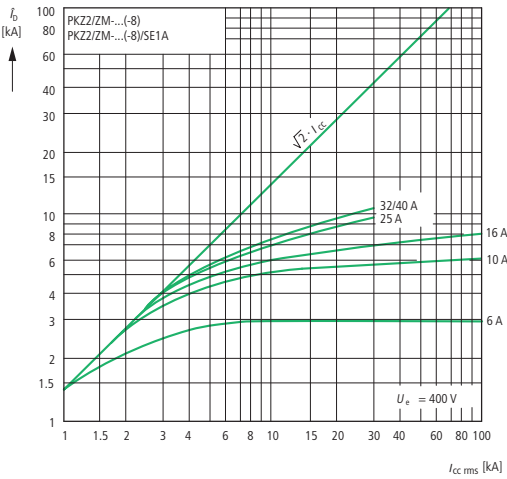
PKZ0 Motor Protectors

Tripping Characteristics, Let-through Curves

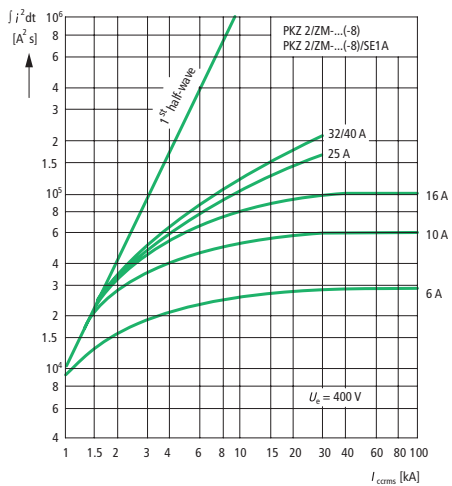
Tripping characteristics, manual motor protectors, motor protector combinations



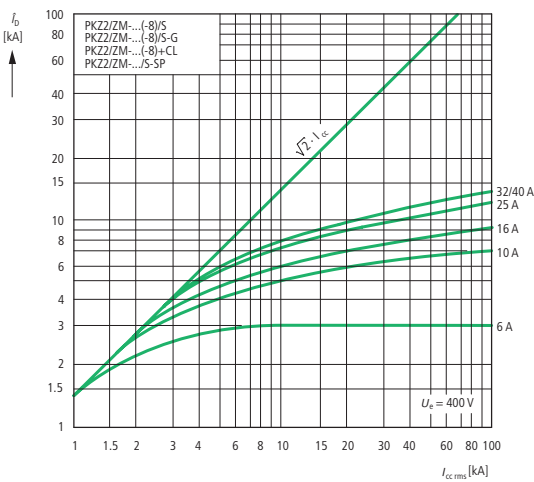
Let-through current values, manual motor protectors



Let-through energy values, manual motor protectors



Let-through current values, motor protector combinations



Let-through energy values, motor protector combinations

