

Start smart. Run smart. With TeSys motor controls.

Stay smart with the world's best-selling motor control solutions from Schneider Electric, the inventor of the world's first contactor.



se.com/tesys

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Navigation Key

Schneider Electric, the leader in motor control solutions

Our comprehensive range of TeSys solutions makes us a single-source provider of motor controls, allowing OEMs to increase machine efficiency while meeting their customers' demands for greater machine productivity, reduced machine downtime, and improved maintenance decision-making. You can trust TeSys contactors, circuit breakers, relays, and switches for unmatched reliability and complete compatibility with international standards. You can count on Schneider Electric to provide robust support for all your motor control needs.

Stay smart

Our TeSys GV solution was introduced in the 1980s. With an integrated short circuit and extended protection against thermal overload and phase loss, TeSys GV provides consistent performance, enhanced safety and uptime, cost savings, and greater functionality.

In addition, TeSys GV combines with the biggest-selling contactor in the world, the TeSys D range, to offer a complete motor control solution for everything from simple machines to complex motor control centers. Recent game-changing products from Schneider Electric include TeSys island, a ground breaking digital multifunctional load management solution, designed to switch, protect, and manage motors and other electrical loads up to 80 Amps. TeSys D Green contactors, a more sustainable and efficient than electro-mechanical contactors, thanks to an innovative electronic coil that reduces energy use by as much as 80 percent when the contactor is sealed. The new TeSys GV4 marks another breakthrough, combining the simplicity of standard motor controls with the advanced protection of intelligent, digital designs.

Learn how these offers and the entire TeSys range allow you to commission quicker and install more efficiently while providing your customers with a modern digital offer.

Give your operations an edge by turning to Schneider Electric, the leader in motor control solutions for nearly a century.



The best of both worlds

By bringing two market leaders for the IEC and UL market, Schneider Electric is able to deliver a complete line of solutions.

Schneider Gelectric

	Telemecanique	+	
	Core Offer IEC		Core Offer UL
Short Circuit	TeSys GV		PowerPact
Switching	TeSys K, D, F		TeSys N Type S
Load Protection	TeSys LRD		Motorlogic
Motor Management	TeSys U, T Tesys island		TeSys N Starter Type S, Combo Tesys island



OEM and Panel Builder

Maximize your business and machine performance

Boost your productivity:

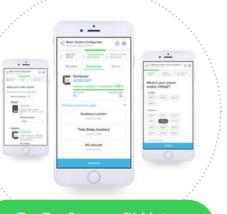
- Easy selection, thanks to the new EcoStruxure™ Motor Control Configurator
- CAD support
- Space saving solutions
- Installation and wiring time

Improve the safety of your machine:

- Integrated safety features
- Clear visualization of
 components of the safety chain
- Compliance with
 international standards

Adapt your machines to any situation:

- Wide-range settings
- Multistandard offer IEC/UL/CSA/CCC



Try EcoStruxure™ Motor Control Configurator now



With EcoStruxure Motor Control Configurator build your complete motor control solution online for any application.

Choose the right products and accessories, then auto-generate the bill-of-materials.



Operators Keep your plant in operation 24/7

Increase your productivity:

• Easy integration into automation thanks to standard field bus

Reduction of unplanned downtimes:

- High-quality and long-lasting products
- Alerts before failure
- Worldwide availability of spare parts
- Outstanding field service organization

Reduction of maintenance cost:

- High-quality and long-lasting products
- Fast and easy replacement

Reduction of energy bill:

- Low energy consumption
- Innovative products



Improve productivity Reduction of unplanned downtimes Reduction of maintenance costs Reduction of the energy bill

Schneider Electric Motor Starter Solutions will lift your productivity to the next level







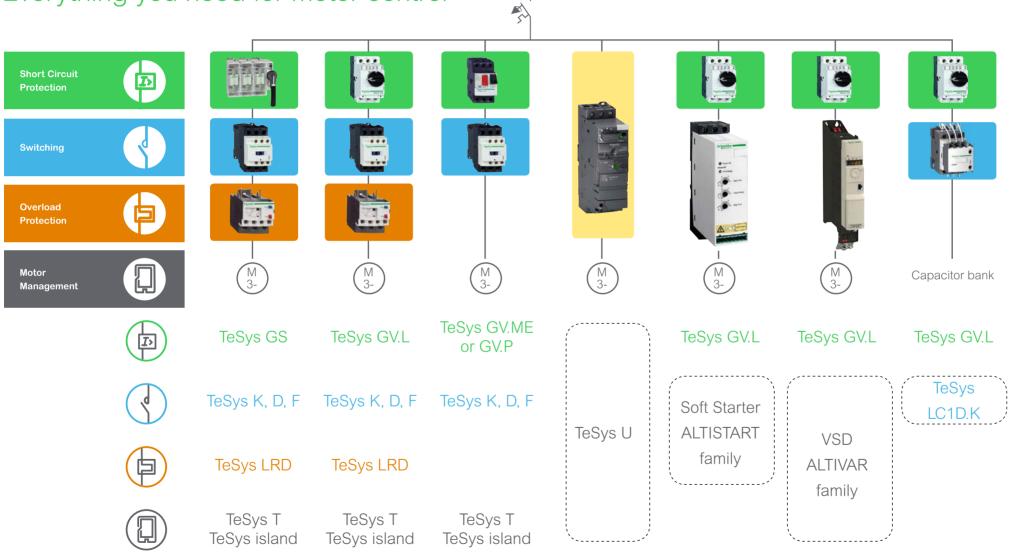




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TeSys functional view

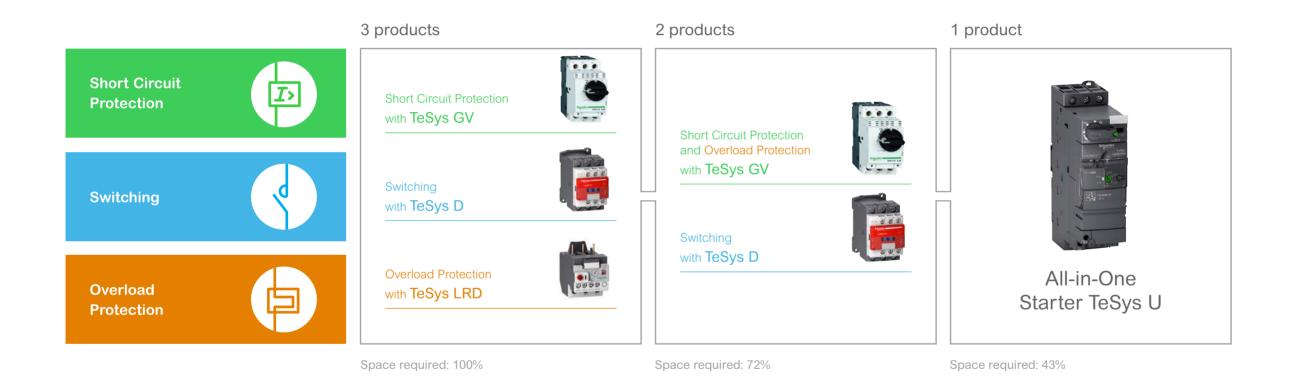






Discover TeSys

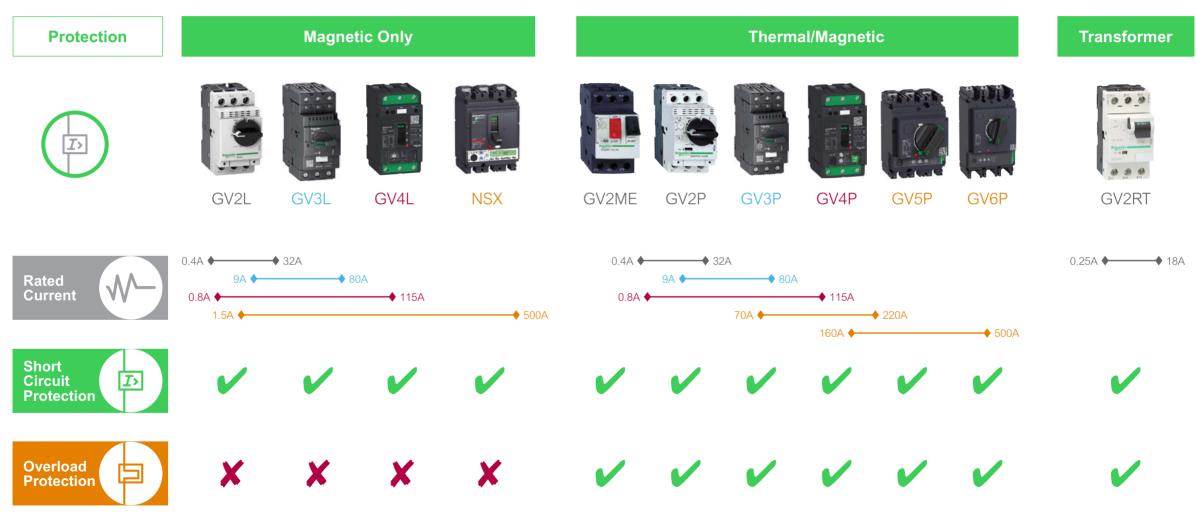
The most flexible and compact system on the market



Short Circuit Protection

TeSys: Protection against Short Circuits

Make the starter even smarter



TeSys GV2ME

Magnetic and thermal protection







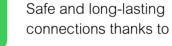
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TeSys GV3 A stronger, safer and long-term connection

Thermal-magnetic circuit-breakers GV3P and magnetic circuit-breakers GV3L up to 80A



High Breaking Capacity up to 100kA/400V





Compact, only 55mm width

Direct

Z-Adaptor

- 55mm

Direct mounting on a contactor, no adaptor needed!

Unlimited possibility, thanks to innovative accessories



Flexible – Vertical and Horizontal Load feeder



Reversing Starter (vertically)

Reversing Starter (horizontally)

TeSys GV4 A full range of motor circuit breakers

Up to 115A/55kW



Ergonomic rotary handles ensure quick and simple installation

Patented creep compensation maintains safe and reliable power connection

Stay smart

Smartphone and NFC allow easy commissioning and maintenance

- Advanced protections: ground fault, jam, long start
- Pre-alarms and automatic reset
- EverLink™ power connector
- Smart, externally visible auxiliaries
- Ergonomic rotary handles: direct, extended and side



TeSys GV5P & GV6P

Reliable design, advanced protection and robust performance

Up to 500A/250kW



Equipped with Micrologic trip units with thermal-magnetic protections

Complies to international standards

Wide range of common accessories and auxiliaries



GV5P

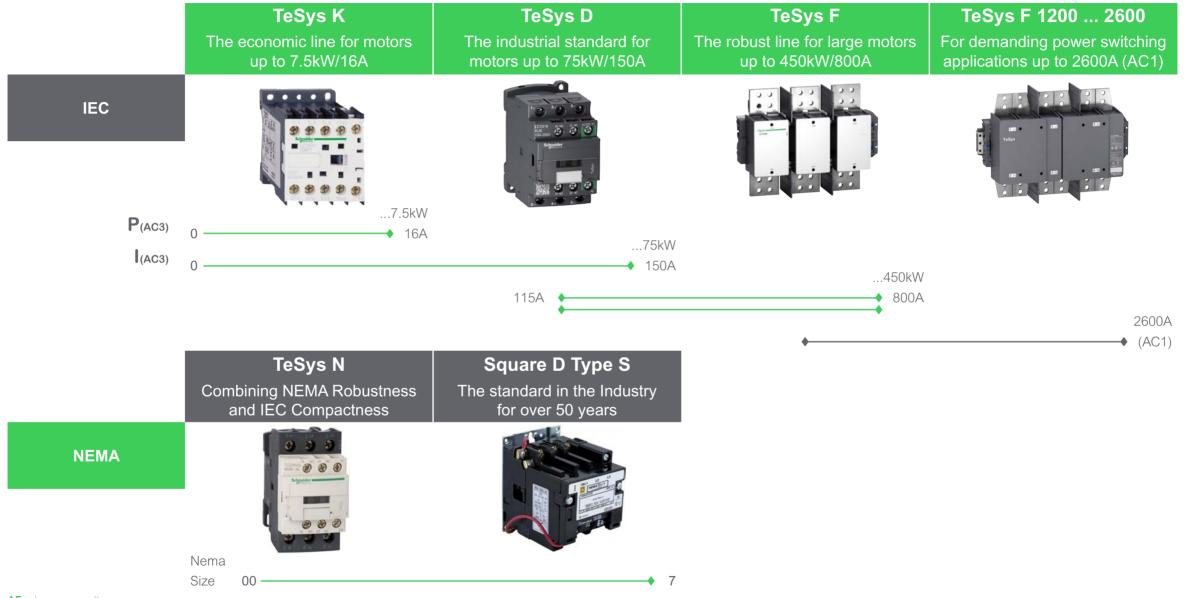
- Ratings: 150A & 220A
- 2 breaking capacities: 36kA & 70kA @ 400/415V
- Replaces existing GV7
 with same foot print
- Micrologic 2.2M trip unit with thermal-magnetic protections

GV6P

- Ratings: 320A & 500A
- 2 breaking capacities: 36kA & 70kA @ 400/415V
- New range in extension to GV5
- Micrologic 2.3M trip unit with thermal-magnetic protections

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Switching



TeSys D Green

A natural part of your environmental strategy

TeSys D Green set again the energy standard in the library



Up to 80% less energy consumption than a traditional electromechanical motor starter

10 times less references

Only 3 references to cover the complete voltage range for AC and DC

→ ← -35%

Highest currents in smallest size, e.g. 80A in 55mm instead of 84mm

PLC Compatible

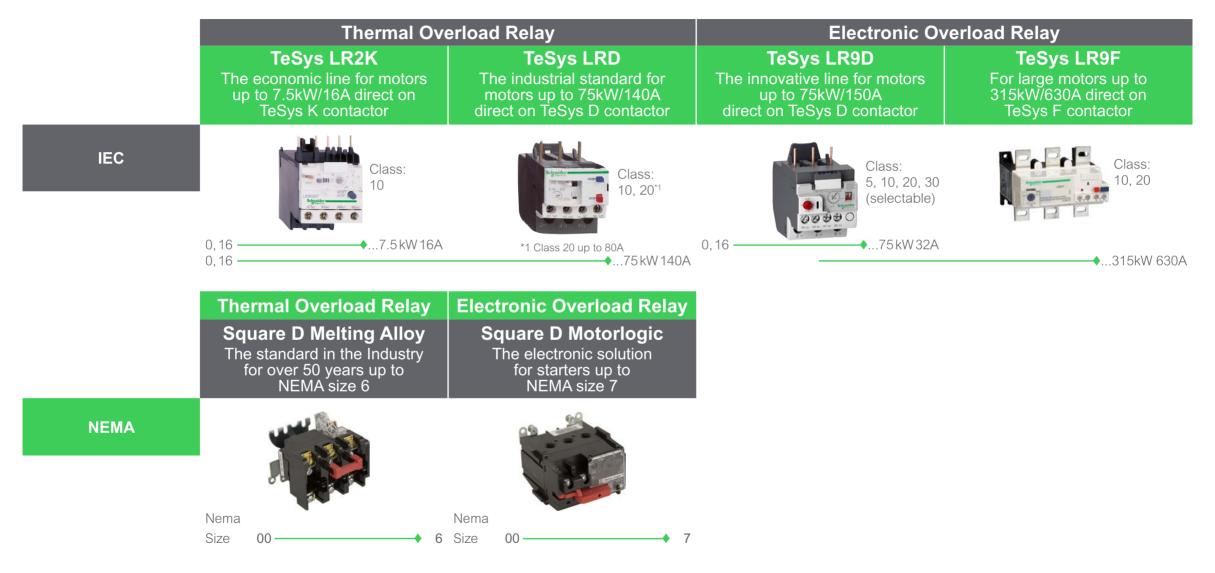
Direct connection to a PLC without the need for an interposing relay

SEMIF47

High uptime thanks to wide band coil with high resistance to voltage surges/SEMIF47 conform



Protection



TeSys LR9D Electronic Overload Relay

Providing motor safety tailored to your needs!



5:1 adjustment range makes new relays a natural choice for a wide range of applications, from 0.1A to 110A

Selectable trip class (5, 10, 20, 30) lets you set the desired level of protection



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external power supply

Self-powering eliminates the need for

Close-couple configuration for reduced installation time

Unique – Only 5 versions up to 110A



Motor Management















TeSys U All-in-One Motor Starter

Lift your productivity to the next level

Efficient

Safe up to 45% of the time for installation and wiring

Compact

Save up to 57% of space in the cabinet, reversing Starter in 45mm width!

Flexible

Wire the starter completely in the workshop, define the Motor on site with plugin of the control unit

Secure

Mirror contact as standard

Advanced

Advanced Motor Management with function modules to reduce unplanned downtime



It's so easy! – Only 1 base plate and 4 control units up to 32A



TeSys island

Digital load management system

First object-oriented load management system to lift your productivity to the next level.

Efficient Digital

Select, program, and configure with TeSys Avatars

to internal AUX bus

Highest power, flexibility, and efficiency. For digital

20 modules. No auxiliary wiring necessary thanks

solutions up to 80A / 37kW / 40hp with up to

Secure

Highest cybersecurity and safety levels Achilles Level 2

Flexible

For EcoStruxure and third-party automation solutions Integrated into engineering and programming environments of major automation players. Coverage of major industrial fieldbus systems for machine automation: Ethernet/IP and Modbus TCP

Complete range up to 80A/37kW



Cabinet Optimization

Schneider Electric, the competent partner!

Find 99% of components for your cabinets

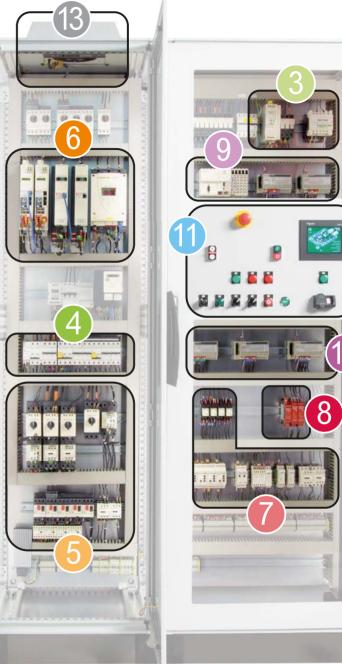
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8 Machine Safety

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- 6 Motion and Drives
- 7 Relays

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- https://www.schneider-electric.com/en/partners/panel-builders/control-panel.jsp







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