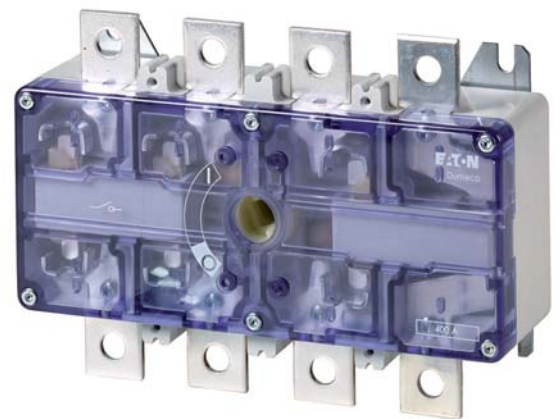
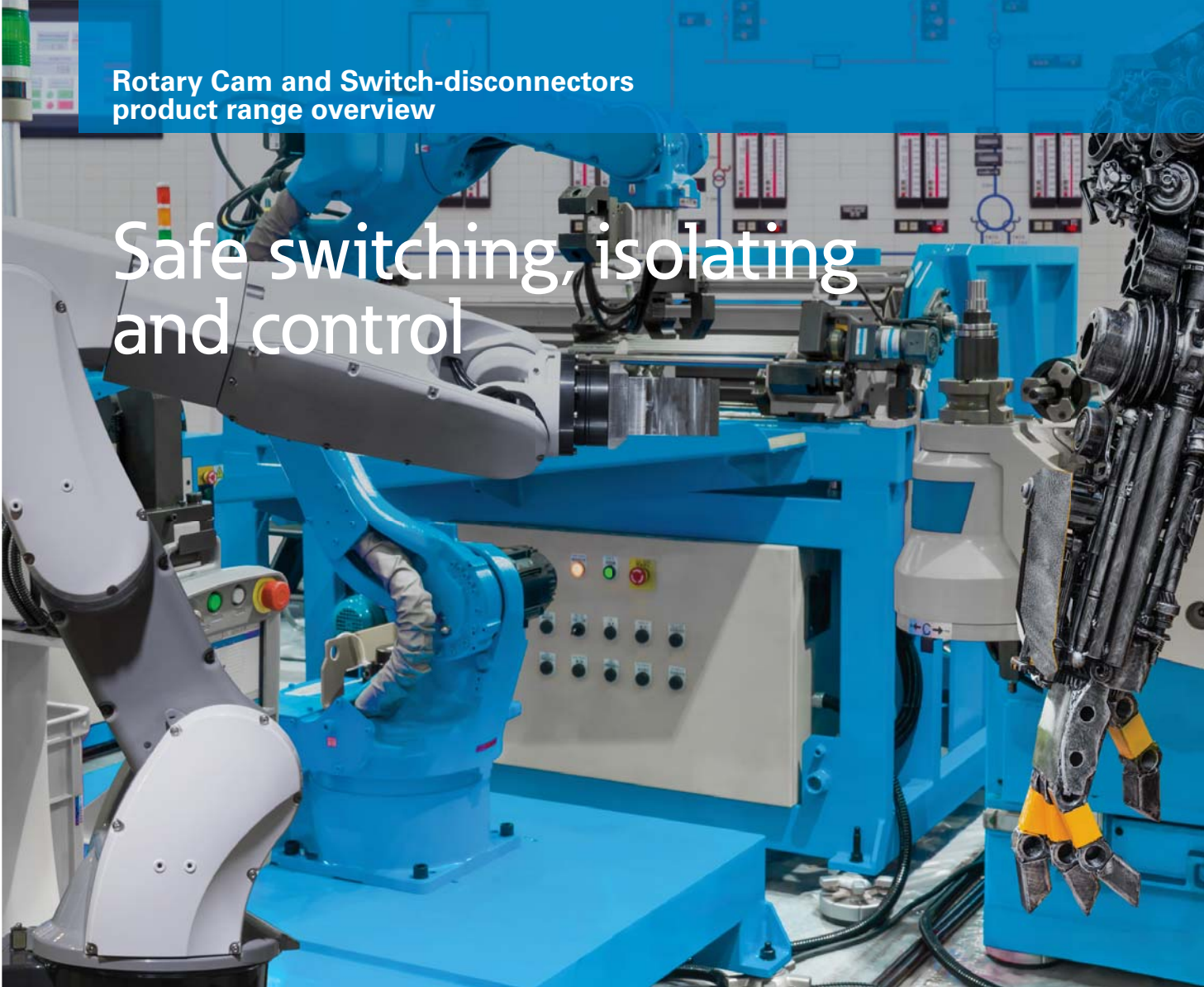


Rotary Cam and Switch-disconnectors
product range overview

Safe switching, isolating
and control



EATON

Powering Business Worldwide



* At Eaton, we believe that power is a fundamental part of just about everything people do. That's why we're dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because this is what really matters. And we're here to make sure it works.

To learn more go to: [Eaton.com/whatmatters](https://www.eaton.com/whatmatters)

EATON
Powering Business Worldwide

We make what matters work.

Safe switching, isolating and control

Eaton's high performance, high quality, robust Switch-disconnectors and Cam switches are a perfect solution for industrial, trade and power distribution applications.

Starting from 10 A Control switches right through to 3150 A Isolators, we have wide range of products to suit a variety of industrial segment needs.

In-built quality and reliability ensures the safety of both equipment and those who operate it.

Eaton's switch range comes with a multitude of approvals making our products suitable for use worldwide.

Visit www.eaton.eu/switchdisconnectors for detailed product information on Eaton's switch-disconnectors (online catalogue, CAD models, data sheets and documentation).



Safe switching, isolating and control with T rotary cam switches and P Switch-disconnectors



T Rotary Cam switches

The T rotary cam switch represents a very flexible, compact and robust modular system.

The TM, T0, T3, T5B, T5, T6, T8 rating sizes offer power ratings from 6.5 kW to 132 kW, AC-23 A at 400/415 V, 50-60 Hz.

The rated uninterrupted current I_u ranges from 10 A to 315 A.

The high making and breaking capacities and outstanding endurance capabilities makes the T rotary switch suitable for a wide range of switching applications: change-over, reversing switch, step switches, etc.

Customised circuits can also be produced to meet specific customer requirements.



P and T Switch-disconnectors

P and T Switch-disconnectors range from 20 A to 315 A.

These compact and robust manually operated switches provide ultimate safe disconnection with positive mechanical contact breaking and excellent making and breaking capabilities at AC-23A.

The switch-disconnectors are available with 1- to 8-pole, with or without the Emergency-Stop function, and are a perfect option for machine isolation, maintenance and safety switches.

Switches are available with a range of auxiliary contacts.

P & T switches are available in several thousand combinations, already pre-assembled at the factory, customised to suit the specific requirements of our customers. This pre-built one package solution saves end-users valuable assembly time, administration costs and packaging waste.



Key characteristics:

- Eaton's well known Moeller series quality and reliability
- Best in class AC-23A ratings for switching inductive currents
- Complete global approvals:
 - UL
 - CSA
 - CCC
 - EAC
 - Lloyd's Register
- IP65 protection from ingress of dust & water
- Several thousand Cam Switch contact sequences available
- Quick and flexible mounting options

P & T complete range of mounting options



Rear mounting

- With fixing screws or snap on DIN-rail fixing
- IP65 Protection from ingress of dust and water
- Laser marked front legend plate provides high resistant markings.



Rear mounted main switch

- Red/Yellow for emergency stop applications
- Complete with Earth & Neutral terminals as standard
- With door interlock
- Lockable with up to 3 padlocks



Metal extension shaft for deeper control panels

- 400mm panel depth as standard
- Options Up to 600mm
- Door interlock prevents opening in ON position
- Simply cut the metal shaft to length.



Direct mount or service distribution board mounting

- Suitable for use with 45 mm front cut-out
- Front IP30
- DIN-Rail or base plate mounting



Panel/front mounting

- Easy assembly with three hole or single hole fixing to the panel wall or door (single hole up to 32 A)
- Red/Yellow locking handle for emergency stop applications
- Main switches complete with Earth & Neutral terminals as standard
- Access to terminal screws from the rear side
- Control switches come with laser marked front legend plate



Enclosed in polycarbonate or painted steel enclosures

- Robust glass reinforced and impact resistant polycarbonate
- Stainless steel screws corrosion resistant
- IP65 protection against water & dust
- Resistant to chemicals
- Lid safety system prevents unauthorised opening



With steel grounding plate for improved EMC protection

- Cable clamps ensure strong and long term connection to the plate
- Various cable clamp sizes provided to suit screened cables
- Available from 20 A to 63 A for motor applications up to 30 kW (AC-23A) for 415V nominal current



A wide range of accessories to suit your applications

- Auxiliary and neutral contacts
- Standard and special locking handles
- Maintenance key
- EMC screening plate
- Add-on front plates
- Shaft extensions
- Terminal covers



Switches for industrial switchboards and control panels



Proven safety up to 3150 A from the robust and reliable Dumeco Switch-disconnectors and QSA Fuse combination switches

Eaton's Dumeco Switch-Disconnectors and QSA Fuse combination switches have excellent capabilities to switch motor loads and other highly inductive loads.

This high performance, robust and compact switchgear is suitable for a broad range of applications, from small motor emergency switches in MCC's to high ampere incoming feeders in heavy duty switchboards.

Key characteristics

- IEC/CE 60947-3, KEMA KEUR Approval, Lloyd's (LR)
- Compact
- Easy to install
- Various lengths of operating shafts, knobs and handles
- Independent and semi-independent manual operation
- Suitable for padlocking in OFF position

Dumeco DMV Switch-disconnectors

When it comes to electrical protection Eaton's Dumeco DMV Switch-Disconnectors provide the high performing switching performance needed in today's high pressure industrial environment.

Due to their parallel knife contacts with double break per phase DMV Switch-disconnectors have excellent short-circuit making capacities, providing unbeatable safety protection for equipment and those involved in their operation and maintenance.

Key characteristics

- 160 to 3150 A
- 690 V a.c.
- Parallel knife-contacts with double break per phase
- Visible contact separation
- Forced contact breaking within 90 degrees
- 3-pole, 3-pole + solid N and 4-pole configurations
- Totally enclosed compact housing, made of non-tracking, heat resistant insulations material
- Direct handle operation or with door mounted handle



Duco DCM and Dumeco DMM Switch-disconnectors

Eaton's robust and reliable Duco and DMM are manually operated load break switches that provide safe isolation in a wide range of low voltage applications.

With excellent making and breaking capacity under load conditions they are particularly suited for use in distribution panels and for machine control.

Duco DCM Switch-disconnectors

Key characteristics

- 40 and 63 A
- 415 V a.c.
- Semi-independent manual operating mechanism
- Utilisation categories AC-21 A and AC-22 A
- 3-pole + solid N and 4-pole configurations
- Suitable for DIN-Rail mounting and 45 mm standard panel cut-out
- Direct operation or with door mount knob



Dumeco DMM Switch-disconnectors

Key characteristics

- 40, 63 and 125 A
- 690 V a.c.
- Utilisation categories AC-23 A
- 3-pole + solid N and 4-pole configurations
- Suitable for DIN-Rail mounting and 45 mm sleeve connection
- Direct operation or with door mounted handle



QM Change-over and multi-pole switches

Key characteristics

- 40 to 100 A
- 690 V a.c.
- Complying with standards IEC 60947-3
- Certification: KEMA-KEUR, Lloyd's (LR)
- 3, 4, 6 and 8-pole
- Compact
- Made of non-tracking material
- Independent manual operation for ON and OFF switching
- Easy installation of switched or solid neutral for 4-pole version
- Suitable for utilisation category AC-23A
- Base plate or DIN-rail mounting



The QSA fuse combination switch provides the ultimate safety in electrical protection for equipment and the people using them

The fuse protects the equipment against over-currents and the switch enables safe disconnection for a high number of switching operations. The ability of the fuse to contain the electrical arc and the switch to break varied and extreme loads ensures excellent performance.

QSA Switch disconnector-fused

Key characteristics

- All standard switches have a 3-pole frame
- Switches will accommodate BS or DIN Fuse links
- Separate switched or bolted neutrals can be mounted to the switch on location
- Totally enclosed compact housing made of creepage-proof, heat-resistant, insulation material
- Spring loaded silver plated roller contacts
- Independent manual operation
- Double current interruption
- Easy to install in any position
- Optional solid or switched neutral pole
- Direct handle operation or with metal extension shaft/handle



A wide range of accessories to suit your applications

- Transparent protective covers
- Connection kits
- Auxiliary switch
- Change-over mechanisms
- Multi-pole mechanisms
- Knobs and handles
- Shaft supporting set
- Front mounting kit



New

UL 98 R9 Switch-disconnectors up to 100 A



Eaton's R9 compact switch-disconnectors are tested and approved to the stringent UL98 standard making them the ideal choice for switching and extremely safe isolation

Available in 30, 60 and 100 A versions, the short-circuit withstand of these products goes up to 100 kA. The R9 has a small footprint and has a variety of direct or external handles, shafts, and accessories offering the ultimate in modularity and flexibility.

Key characteristics

- Market leading SCCR:
30 A/ 60 A = 100 kA@480 V / 600 V
100 A = 100 kA@ 480 V. 25 kA@ 600 V
- DIN rail or baseplate mounting
- Direct handle, or door and side handle options with metal extension shaft
- Interlocking and defeatable handles with NEMA 4X rating
- Modular and quick fit accessories, including auxiliary contacts and switchable 4th pole
- Very compact and modern UL98 switch saving space
- Modular design ensures simple mounting and quick screwless accessory mounting system
- Positive break indication



A wide range of accessories to suit your applications

- Direct handle
- External operating handle
- Shaft extensions for external handle
- Guide cone
- Switched 4-pole module
- Auxiliary contacts
- Terminal shrouds



Switches for PV applications



The robust DC Switch-disconnectors provide safe isolation for any photovoltaic or low voltage DC circuit application

These devices, available in four different frame sizes, rated from 63 to 1250 A, up to 1000 V d.c., are suitable for applications ranging from residential and light commercial rooftop sites to large commercial and utility scale installations, as well as solar combiner box, inverter equipment and DC battery storage.

Key characteristics

- Rated current from 63 A up to 1250 A
- Rated voltage 1000 V d.c.
- Complies with IEC/EN 60947-3
- Certification: CE, CCC, RoHS and EAC
- Operator independent switching
- Special designed self-cleaning roller contacts
- Bi-directional pole connection gives installation flexibility (non-polarised)
- Suitable for rear/baseplate mounting
- Optional operating shaft lengths up to 600 mm
- Protection degree D-Type door build in installation handles IP65
- Door interlocking in OFF position by using D-Type handle
- Padlockable handles in OFF position, defeatable in ON position



Accessories

- Auxiliary contact set
- K-line rotary handles
- Drive shafts
- Shaft extensions
- Conversion kit for handle locking in both ON and OFF position (standard locks in OFF position only)
- Lock multiplier for K-line handles
- Connection kit
- Terminal covers



At Eaton, we're energized by the challenge of powering a world that demands more. With over 100 years experience in electrical power management, we have the expertise to see beyond today. From groundbreaking products to turnkey design and engineering services, critical industries around the globe count on Eaton.

We power businesses with reliable, efficient and safe electrical power management solutions. Combined with our personal service, support and bold thinking, we are answering tomorrow's needs today. Follow the charge with Eaton. Visit eaton.com/electrical.

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