

## xStart series contactors



## xStart series overload relays



## Motor protective circuit breaker PKZ



## Motor-starter combinations



## E Line contactors



## E Line thermal overload relay



## xStart series

<b>1.1</b>	<b>xStart series contactors</b>	<b>1</b>
	Mini contactor relays, contactor relay .....	1
	Contactors DIL .....	1
<b>1.2</b>	<b>xStart series overload relays</b>	<b>2</b>
	Bimetal relay ZE, ZB, Z5 .....	2
	Overload relay ZW7 .....	2
	Electronic overload relays ZEB .....	4
	EMT6 thermistor overload relay for machine protection .....	4
	C441 overload and monitoring relay .....	37
<b>1.3</b>	<b>xStart series motor-protective circuit-breakers</b>	<b>3</b>
	Motor-protective circuit-breakers PKZ .....	3
	Motor-protective circuit-breakers PKE .....	8
	DC string circuit-breaker PKZ-SOL .....	47
	DC switch-disconnectors P-SOL, SOL .....	47
<b>1.4</b>	<b>Motor-starter combinations</b>	<b>1</b>
	Motor-starter combinations .....	1

## E Line series

<b>2.1</b>	<b>E Line contactors</b>	<b>1</b>
	Control relays XTRG .....	1
	Contactors XTCG .....	6
<b>2.2</b>	<b>E Line thermal overload relay</b>	<b>13</b>
	Thermal overload relays XTOD/XTOG .....	13



# Mini contactor relays, contactor relay, contactors

Continual operation requires high operational reliability in the components used. The DILM contactor achieves the best lifespan values in AC-3 applications and is ideal for heavy AC-4 jogging.

## Mini contactor relay DILE..., contactor relays, contactors up to 12 A AC-3 at 400 V

- Compact dimensions for the highest packing densities
- Extended performance range up to 5.5 kW at 400 V

## AC and DC contactor system DILM..., contactor relays, 3 pole contactors up to 170 A AC-3 at 400 V, 4 pole contactors up to 200 A AC-1

- Easier engineering through identical construction sizes for AC- and DC-operated contactors
- Energy savings and higher packing density in control panel due to minimized heat dissipation
- High wiring security through doubled box terminals
- Less coupler relays: direct actuation from the PLC for contactors up to 32 A
- Easy engineering through integrated suppressor circuits for DC
- Uniform accessories for 3- and 4-pole contactors
- Mechanical interlock double conductor run mountable without additional separation gap
- Direct fieldbus connection through the communication system SmartWire-DT®, through plug-in type protective module

## High rated contactors - contactors up to 1600 A AC-3 at 400 V, contactors up to 2600 A AC-1

- Compact dimensions with high switching power
- Direct actuation from the PLC saves coupler relays
- Easy engineering through wide range coils
- Cost and energy savings for control panel ventilation due to reduced heat dissipation
- Long lifespan through vacuum technology from 580 A



### Eaton after sales service

Testing switching devices in compliance with regulations applicable to this technology  
→ See catalog



### SmartWire-DT®

The DIL product range offers contact elements which can be connected to the SmartWire-DT® communication system. → Protective modules, Page 62