

# DURAKOOL®

## Catalogue

Relays, Contactors and Resistors



See website for contact details: [durakool.com](http://durakool.com)



## Durakool

This comprehensive overview of Durakool products enables you to easily find standard products that suit your application. Durakool develops custom designed solutions in case you cannot find the optimal product in this overview.

We continue to innovate, developing optimised, reliable, and safe solutions to enhance reliability and reduce package size whilst satisfying increasing demands for higher voltage and higher current switching.

Durakool's engineering team provides technical consultation using decades of application knowledge and experience. We believe in developing long term relationships and partnerships with our customers to provide high quality products and services. We operate as a key member of our partner's team from design concept to delivery and beyond. Our commitment to excellence not only minimises the risk of project failure, but also propels you ahead of your competition.

Any questions and suggestions are most welcome. We are here to help, as are our trained representatives and distributors world-wide.

# Controlling electricity for more than 80 years!

- ▲ Global production facilities
- ▲ Extensive product portfolio
- ▲ Reputation for high reliability
- ▲ ISO9001:2015



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## Automotive Plug-in Relays

	DC20	DE20	DG55	DG55M	DG56A	DG56C	DG57BM	DG57CM
								
Contact Configuration	SPST-NO-DM	SPST-NO-DM	SPST-NO, SPDT	SPST-NO	SPST-NO, SPDT, SPST-NC, SPST-DM	SPST-NO	SPST-NO, SPDT	SPST-NO
Rated Current	20A	20A	60A	40A	40A	70A	60A	80A
Max. Switching Voltage (current dependent)	450VDC	450VDC	24VDC	110VDC	75VDC	75VDC	110VDC	145VDC
Coil Voltages (DC)	12V, 24V, 48V, 60V, 80V	12V, 24V	12V, 24V	12V, 24V, 48V	12V, 24V	12V, 24V	6V, 12V, 24V, 36V, 48V, 50V, 60V	6V, 12V, 24V, 36V, 48V, 50V, 60V
Contact Material	AgCu10	AgSnO <sub>2</sub>	AgSnO <sub>2</sub> AgNi0.15	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Operating Temperature Range (consult factory for >85°C)	-40 to +85°C	-40 to +85°C	-40 to +125°C	-40 to +85°C	-40 to +125°C	-40 to +105°C	-40 to +125°C	-40 to +125°C
Terminal Outline	mini-ISO 	Custom 	mini-ISO 	mini-ISO 	mini-ISO 	macro-ISO 	mini-ISO 	macro-ISO 
Mounting	Plug-in, Chassis or PCB	Chassis or PCB	Plug-in	Plug-in	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB
Magnet Arc Quench	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Approvals								

# Automotive Plug-in Relays

DG82	DG85A	DG85B	DG85BM	DG85C	DG85CM	DG85D	DG85F	
								
SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO	SPST-NO	SPST-NO, SPDT	Contact Configuration
40A	40A	60A	25A	80A	60A	100A	60A	Rated Current
16VDC	30VDC	30VDC	110VDC	30VDC	145VDC	30VDC	30VDC	Max. Switching Voltage (current dependent)
6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	6V, 9V, 12V, 24V, 36V, 48V, 110V	6V, 12V, 24V	6V, 9V, 12V, 24V, 36V, 48V, 110V	6V, 12V, 24V	6V, 12V, 24V	Coil Voltages (DC)
AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgSnO <sup>2</sup>	AgNi0.15, AgNi90/10, AgSnOInO	AgSnO <sup>2</sup>	AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	Contact Material
-40 to +125°C	-40 to +125°C	-40 to +125°C	-40 to +85°C	-40 to +125°C	-40 to +85°C	-40 to +125°C	-40 to +125°C	Operating Temperature Range (consult factory for >85°C)
								Terminal Outline
Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Plug-in or PCB	Mounting
			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			Magnet Arc Quench
			Replaced by DG57BM		Replaced by DG57CM			Approvals

## Automotive Plug-in Relays

	DG85G	DG86N	DG90	DG91/ DG91N	DG92	DG82 JMPR	DG85A JMPR	DG85D JMPR
								
Contact Configuration	SPST-NO, SPDT	SPST-NO	SPST-NO	SPST-NO, SPDT	SPST-NO, SPDT	Link	Link	Link
Rated Current	80A	200A	20A	35A	40A	40A	40A	100A
Max. Switching Voltage (current dependent)	30VDC	40VDC	16VDC	75VDC	75VDC	n/a	n/a	n/a
Coil Voltages (DC)	6V, 12V, 24V	12V, 24V	12V	6V, 12V, 24V	6V, 12V, 24V	n/a	n/a	n/a
Contact Material	AgSnOInO	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	n/a	n/a	n/a
Operating Temperature Range (consult factory for >85°C)	-40 to +125°C	-40 to +85°C	-40 to +120°C	-40 to +125°C	-40 to +85°C	-40 to +125°C	-40 to +125°C	-40 to +125°C
Terminal Outline	macro-ISO 	Custom 	micro-ISO 	micro-ISO280 	mini-ISO280 	micro-ISO 	mini-ISO 	macro-ISO 
Mounting	Plug-in or PCB	Plug-in with screw power terminals	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in
Magnet Arc Quench								
Approvals								

# Automotive Plug-in Relays

DG88A	DG93	DGR	DG91N					
								
SPST-NO, SPDT, SPST-DM	SPST-NO	2 x SPSDT	SPST-NO, SPDT					Contact Configuration
40A	25A	80A	35A					Rated Current
75VDC	16VDC	30VDC	75VDC					Max. Switching Voltage (current dependent)
6V, 12V, 24V	12V	12V, 24V	6V, 12V, 24V					Coil Voltages (DC)
AgSnO <sub>2</sub> , AgSnOInO	AgSnO <sub>2</sub>	AgSnOInO	AgSnO <sub>2</sub>					Contact Material
-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +125°C					Operating Temperature Range (consult factory for >85°C)
mini-ISO 	Ultra-Micro 							Terminal outline
PCB or Plug-in	Plug-in	Plug-in	Plug-in					Mounting
								Magnet arc quench
								Approvals






## Automotive Special Function Plug-in Relays

DG43A	DG43E	DG43F	DG44	DG46	DG56T	DG82T		
								
Flasher	Flasher	Flasher	Flasher	Seat belt controller	Timer (SPST-NO, SPDT)	Timer (SPST-NO, SPDT)		Function
12.5A	20A	20A	20A	10A	30A	5A		Rated Inrush Current
15VDC	15VDC	15VDC	15VDC	28VDC	145VDC	16VDC		Max. Switching Voltage (current dependent)
12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V		Coil Voltages (DC)
AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>		Contact Material
-40 to +80°C	-40 to +85°C	-40 to +80°C	-40 to +70°C	-30 to +85°C	-30 to +85°C	-40 to +85°C		Operating Temperature Range (consult factory for >85°C)
mini-ISO 	mini-ISO 	mini-ISO 	mini-ISO 	mini-ISO 	mini-ISO 	micro-ISO 		Terminal Outline
Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in		Mounting
								Magnet Arc Quench
								Approvals








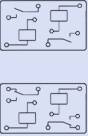





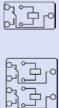


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## Automotive PCB Relays

	DC20	DE20	DG08	DG17	DG17M	DG19	DG20
							
Contact Configuration	SPST-NO-DM	SPST-NO-DM	2 x SPDT	SPST-NO, SPST-NO-DM, SPDT, SPDT- DB-DM	SPST-NO, SPST-NC	SPST-NO, SPST-NC, SPDT	SPST-NO, SPDT
Rated Current (continuous)	25A	25A	35A (10mins)	15A, 2 x 10A	15A	45A	30A
Max. Switching Voltage (current dependent)	450VDC	450VDC	16VDC	16VDC	450VDC	30VDC	16VDC
Coil Voltages (DC)	12V, 24V, 48V, 60V, 80VDC	12V, 24V	6V, 9V, 10V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	10V, 12V
Contact Material	AgCu10	AgSnO <sub>2</sub>	AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgSnO <sub>2</sub>	AgNi0.15, AgNi90/10, AgSnOInO, AgSnO <sub>2</sub>	AgNi0.15, AgSnOInO
Operating Temperature Range (consult factory for >85°C)	-40 to +85°C	-40 to +85°C	-30 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +125°C	-40 to +105°C
Terminal Outline	mini-ISO 						
Mounting	PCB, Plug-in or Chassis	PCB, Plug-in or Chassis	PCB	PCB	PCB	PCB	PCB
Magnet Arc Quench	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Approvals							











# Automotive PCB Relays

DG27	DG55M	DG56A	DG56C	DG57BM	DG57CM	DG60	
							
2 x SPST-NO, 2 x SPDT	SPST-NO	SPST-NO, SPDT, SPST-NC, SPST-DM	SPST-NO	SPST-NO, SPDT	SPST-NO	SPDT, 2 x SPDT	Contact Configuration
2 x 30A	40A	40A	70A	60A	80A	25A	Rated Current
16VDC	110VDC	75VDC	75VDC	110VDC	145VDC	16VDC	Max. Switching Voltage (current dependent)
6V, 10V, 12V	12V, 24V, 48V	12V, 24V	6V, 12V, 24V	6V, 12V, 24V, 36V, 48V, 50V, 60V	6V, 12V, 24V, 36V, 48V, 50V, 60V	12V	Coil Voltages (DC)
AgNi0.15, AgSnOInO	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	Contact Material
-40 to +105°C	-40 to +85°C	-40 to +125°C	-40 to +125°C	-40 to +125°C	-40 to +125°C	-40 to +85°C	Operating Temperature Range (consult factory for >85°C)
	conforms to mini-ISO 	mini-ISO 	macro-ISO 	mini-ISO 	macro-ISO 		Terminal Outline
PCB	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB	Mounting
	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Magnet Arc Quench
							Approvals

## Automotive PCB Relays

	DG81	DG81B	DG81C	DG82	DG85A	DG85B	DG85C	DG85D
								
Contact Configuration	SPST-NO, SPST-NO-DM, SPDT	SPST-NO-DM	SPST-NO-DM	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO
Rated Current	25A, 2 x 10A	2 x 15A	2 x 30A	40A	40A	60A	80A	100A
Max. Switching Voltage (current dependent)	16VDC	16VDC	16VDC	16VDC	30VDC	30VDC	30VDC	30VDC
Coil Voltages (DC)	6V, 9V, 10V, 12V, 24V	6V, 9V, 10V, 12V	6V, 9V, 10V, 12V	6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V
Contact Material	AgNi90/10, AgNi0.15, AgSnOInO	AgNi0.15, AgSnOInO	AgNi0.15, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgNi0.15, AgNi90/10, AgSnOInO	AgSnOInO
Operating Temperature Range (consult factory for >85°C)	-30 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +125°C	-40 to +125°C	-40 to +125°C	-40 to +125°C	-40 to +125°C
Terminal Outline				micro-ISO 	mini-ISO 	mini-ISO 	macro-ISO 	macro-ISO 
Mounting	PCB	PCB	PCB	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB or Plug-in
Magnet Arc Quench								
Approvals								

# Automotive PCB Relays

DG85F	DG85G	DG88A	DG18	DG31A				
								
SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT, SPST-DM	SPST-NO, SPST-NC, SPDT	SPST-NO, SPDT				Contact Configuration
60A	80A	40A	20A	20A				Rated Current
30VDC	30VDC	75VDC	14VDC	16VDC				Max. Switching Voltage (current dependent)
6V, 12V, 24V	6V, 12V, 24V	6V, 12V, 24V	6V, 9V, 12V, 24V	6V, 12V, 24V				Coil Voltages (DC)
AgNi0.15, AgNi90/10, AgSnOInO	AgSnOInO	AgSnO <sub>2</sub> , AgSnOInO	AgSnO <sub>2</sub>	AgSnOInO, AgNi0.15, AgNi90/10				Contact Material
-40 to +125°C	-40 to +125°C	-40 to +85°C	-40 to +85°C	-40 to +85°C				Operating Temperature Range (consult factory for >85°C)
mini-ISO 	macro-ISO 	mini-ISO 						Terminal Outline
PCB or Plug-in	PCB or Plug-in	PCB or Plug-in	PCB	PCB				Mounting
								Magnet Arc Quench
								Approvals

## Automotive HVDC Contactors - up to 1000VDC

	CHV20	CHV40	CHV 300	CHV 400	CHV 500	CHV 600	CHV 800	DHVC 150	DHVC 200
									
Contact Configuration	SPST-NO-DM	SPS-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM
Rated Current	20A	40A	300A	400A	500A	600A	800A	150A	200A
Max. Continuous Current (600s)	40A (1200s)	80A (1200s)	600A (1200s)	500A (1000s)	750A (300s)	800A (360s)	1000A	300A (1200s)	500A
Max. Short Circuit Current			2000A	2500A	2500A	2500A	3000A	2000A	2000A
Max. Switching Voltage	1500VDC	1000VDC	1000VDC	1500VDC	1500VDC	1500VDC	1000VDC	1000VDC	1000VDC
Coil Voltages (DC)	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	9 ~ 36V, 32 ~ 95V	9 ~ 36V, 32 ~ 95V
Operating Temperature Range	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C
Auxiliary Switch (Optional)				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coil Economiser				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dimensions (approx.) mm (varies with options)	78.0 x 40.5 x 48.2	68.0 x 33.0 x 47.0	84.5 x 42.5 x 73.5	104.0 x 70.0 x 108.1	104.0 x 70.0 x 108.1	104.0 x 70.0 x 108.1	145.2 x 66.6 x 132.8	Option Dependent	80.4 x 52 x 85.8
Approx. Weight (varies with options)	160g	138g	500g	1100g	1100g	1100g	1800g	450g	550g
Approvals									

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## Automotive LVDC Contactors - up to 120VDC

	DJQ05	DJQ10	DJQ20	DJQ40	DJQ60	DLVC400	DSC08
							
Contact Configuration	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM
Rated Current	50A	100A	200A	400A	600A	400A	80A
Max. Switching Voltage	48VDC	48VDC	48VDC	48VDC	48VDC	80VDC	120VDC
Coil Voltages (DC)	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V
Contact Material	AgCuO	AgCuO	AgCuO	AgCuO	AgCuO	Cu. C10200	AgCu
Operating Temperature Range	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 85°C	-25 to 85°C
Approx. weight (varies with options)	0.175kgs	0.280kgs	0.495kgs	1.020kgs	1.500kgs	0.650kgs	0.180kgs
Auxiliary Switch (Optional)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Built-in Twin Coil Economiser		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Latching type available							
Magnetic Arc Quench						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (optional)
Approvals							



## Automotive LVDC Contactors - up to 120VDC

DSC10	DSC12	DSC15	DSC20	DSC25	DSC30	DSC30M	DSC40	
								
SPST-NO-DM	SPST-NO-DM, SPDT, DPDT, DPST-NO	SPST-NO-DM	SPST-NO-DM, SPDT, DPDT, DPST-NO	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM, SPDT, DPDT, DPST-NO	Contact Configuration
100A	125A	150A	200A	250A	300A	300A	400A	Rated Current
120VDC	120VDC	120VDC	120VDC	60VDC	60VDC	120VDC	120VDC	Max. Switching Voltage
12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 30V, 36V, 48V, 60V, 72V, 80V, 96V, 120V	Coil Voltages (DC)
AgCu	AgCu	AgCu	AgCu	AgCu	AgCu	AgCu	AgCu	Contact Material
-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	Operating Temperature Range
0.201kgs	≥ 0.380kgs	0.380kgs	>0.420kgs	0.480kgs	0.800kgs	0.800kgs	> 0.820kgs	Approx. weight (varies with options)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Auxiliary Switch (Optional)
								Built-in Twin Coil Economiser
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Latching type available
<input checked="" type="checkbox"/> (optional)	<input checked="" type="checkbox"/> (optional)	<input checked="" type="checkbox"/> (optional)	<input checked="" type="checkbox"/> (optional)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Magnetic Arc Quench
								Approvals

## Automotive LVDC Contactors - up to 120VDC






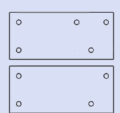
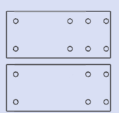
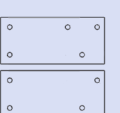
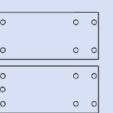
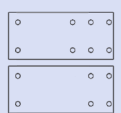
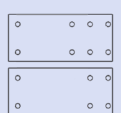




	DSC50	DSC60	DSC80	DSC100	DSC120	DSC150	DSC180	DSC200
								
Contact Configuration	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM
Rated Current	500A	600A	800A	1000A	1200A	1500A	1800A	2000A
Max. Switching Voltage	60VDC	60VDC	60VDC	60VDC	60VDC	60VDC	60VDC	60VDC
Coil Voltages (DC)	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V	12V, 24V, 48V, 60V
Contact Material	AgCu	AgCu	AgCu	AgCu	AgCu	AgCu	AgCu	AgCu
Operating Temperature Range	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C	-25 to 85°C
Approx. weight (varies with options)	0.970kgs	1.000kg	2.000kgs	3.020kgs	3.020kgs	4.370kgs	4.370kgs	4.370kgs
Auxiliary Switch (Optional)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Built-in Twin Coil Economiser								
Latching type available	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Magnetic arc quench								
Approvals								

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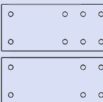
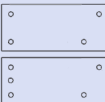

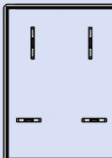
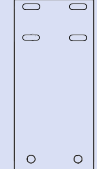
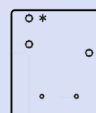





## PCB Power Relays

	DG5N	DG6L	DM84	DM05	DG31	DG31H
						
Contact Configuration	SPST-NO	SPST-NO, SPDT	DPST-NO, DPDT	SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO, SPDT
Rated Current (continuous)	5A/250VAC, 5A/28VDC	8A/250VAC, 5A/30VDC	8A/250VAC, 8A/24VDC	10A/250VAC, 10A/30VDC	12A/120VAC, 10A/250VAC, 10A/28VDC	15A/125VAC, 10A/250VAC
Max. Switching Voltage (current dependent)	250VAC, 28VDC	440VAC, 125VDC	400VAC	277VAC, 30VDC	250VAC, 28VDC	250VAC, 28VDC
Coil Voltages	3, 5, 6, 9, 12, 24VDC	5, 6, 12, 18, 24, 48, 60VDC	3, 5, 6, 9, 12, 18, 24, 36, 48, 60, 110VDC. 12, 24, 48, 60, 110, 115, 120, 220, 230, 240VAC	3, 5, 6, 9, 12, 24VDC	3, 5, 6, 9, 12, 24, 48VDC	3, 5, 6, 9, 12, 24, 48VDC
Contact Material	AgSnO <sub>2</sub>	AgNi90/10, AgSnO <sub>2</sub>	AgNi90/10, AgNi90/10 +5um Au, AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Operating Temperature Range	-40 to +85°C	-40 to +85°C	AC: -40 to +70°C DC: -40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +105°C
Terminal Outline						
Mounting	PCB	PCB	PCB	PCB	PCB	PCB
Dimensions (approx.) L x W x H mm	20.5 x 7 x 15	28.5 x 10 x 12.3	29 x 12.7 x 15.7	20 x 10 x 15.2	19.5 x 15.5 x 16	19 x 15.4 x 15
Magnet Arc Quench						
Approvals						





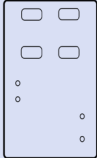
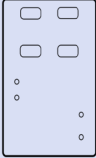


# PCB Power Relays

DM87	DX84	DX87	DG70	DM44	DM85	
						
SPST-NO, SPDT	DPST-NO, DPDT	SPST-NO, SPDT	SPST	SPST-NO, SPDT	SPST-NO, SPDT	Contact Configuration
12A/250VAC, 12A/24VDC	12A/250VDC, 8A/30VDC	10A/250VAC, 12A/250VAC, 10A/30VDC	16A/250VAC	16A/277VAC, 16A/30VDC	16A/250VAC, 16A/24VDC	Rated Current (continuous)
400VAC	440VAC, 125VDC	440VAC, 125VDC	250VAC, 20VDC	277VAC, 30VDC	440VAC	Max. Switching Voltage (current dependent)
3, 5, 6, 9, 12, 18, 24, 36, 48, 60, 110VDC. 12, 24, 48, 60, 110, 115, 120, 220, 230, 240VAC	3, 5, 6, 9, 12, 18, 24, 36, 48, 60, 110VDC	3, 5, 6, 9, 12, 18, 24, 36, 48, 60, 110VDC	9, 12, 24, 48VDC (latching)	3, 5, 6, 9, 12, 18, 24, 48VDC	3, 5, 6, 9, 12, 18, 24, 36, 48, 60, 110VDC. 12, 24, 48, 60, 110, 115, 120, 220, 230, 240VAC	Coil Voltages
AgNi90/10, AgNi90/10 +5um Au, AgSnO <sub>2</sub>	AgNi90/10, AgSnO <sub>2</sub>	AgNi90/10, AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgNi90/10, AgSnO <sub>2</sub>	Contact Material
AC: -40 to +70°C DC: -40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +70°C	-30 to +105°C	AC: -40 to +70°C DC: -40 to +85°C	Operating Temperature Range
						Terminal Outline
PCB	PCB	PCB	PCB	PCB	PCB	Mounting
29 x 12.7 x 15.7	29 x 12.7 x 15.7	29 x 12.7 x 15.7	29.4 x 13.6 x 22.8	29.2 x 12.8 x 20.6	29 x 12.7 x 15.7	Dimensions (approx.) L x W x H mm
						Magnet Arc Quench
						Approvals

## PCB Power Relays

	DX85	DG71	DM85H	DM85V	DE20	DE35	DG34	DG38
								
Contact Configuration	SPST-NO, SPDT	SPST	SPST-NO	SPST-NO	SPST-NO-DM	DPST-NO-DM	SPST-NO, SPDT	SPST-NO, SPDT
Rated Current (continuous)	16A/250VAC, 16A/30VDC	20A/250VAC	20A/250VAC	20A/250VAC	25A/450VDC	2 x 40A, 1 x 75A (277VAC)	40A/250VAC	40A/250VAC
Max. Switching Voltage (current dependent)	440VAC, 125VDC	277VAC, 20VDC	440VAC, 125VDC	440VAC, 125VDC	450VDC	277VAC	250VAC, 110VDC	250VAC, 110VDC
Coil Voltages	5, 6, 9, 12, 18, 24, 48, 60, 110VDC	5, 9, 12, 24VDC (latching)	5, 6, 9, 10, 12, 18, 24, 48VDC	5, 6, 9, 10, 12, 18, 24, 48VDC	12, 24VDC	12, 24VDC	3, 5, 6, 9, 12, 18, 24, 48, 110VDC, 12, 24, 110, 120, 220VAC.	3, 5, 6, 9, 12, 18, 24, 48, 110VDC, 12, 24, 110, 120, 220VAC.
Contact Material	AgNi90/10, AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub> , AgSnOInO	AgSnO <sub>2</sub>
Operating Temperature Range	-40 to +85°C	-40 to +70°C	-40 to +105°C	-40 to +105°C	-40 to +85°C	-40 to +85°C	-40 to +125°C	-40 to +125°C
Terminal Outline								
Mounting	PCB	PCB	PCB	PCB	PCB, Chassis	PCB	PCB, Chassis	PCB
Dimensions (approx.) L x W x H mm	29 x 12.7 x 15.7	29 x 12.7 x 15.7	44.5 x 12.7 x 15.7	40.5 x 12.7 x 15.7	41.2 x 30.2 x 31.38	49 x 26.5 x 30	32 x 27.5 x 19.5	32.5 x 27.5 x 29
Magnet Arc Quench					<input checked="" type="checkbox"/>			
Approvals								

## PCB Power Relays










DG38B	DG38L	DX71F	DX71E	DX71D				
								
SPST-NO, SPDT	SPST-NO, SPDT	SPST-NO + SPST-NO (aux)	SPST-NO + SPST-NO (aux)	SPST-NO + SPST-NO (aux)				Contact Configuration
40A/250VAC	45A/24VDC, 20A/80VDC	80A/24VDC	110A/60VDC	125A/80VDC				Rated Current (continuous)
250VAC, 110VDC	277VAC, 80VDC	24VDC	60VDC	80VDC				Max. Switching Voltage (current dependent)
3, 5, 6, 9, 12, 18, 24, 48, 110VDC, 12, 24, 110, 120, 220VAC.	5, 6, 9, 12, 24, 48VDC	12, 24, 48, 60VDC (latching)	12, 24, 48, 60VDC (latching)	12, 24, 48, 60VDC (latching)				Coil Voltages
AgSnO <sub>2</sub>	AgSnOInO	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>				Contact Material
-40 to +125°C	-55 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C				Operating Temperature Range
								Terminal Outline
PCB	PCB	PCB	PCB	PCB				Mounting
32.5 x 27.5 x 21	32.2 x 27.5 x 28	39.2 x 22 x 27.5	39.2 x 22 x 27.5	39.2 x 22 x 27.5				Dimensions (approx.) L x W x H mm
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Magnet Arc Quench
								Approvals

## Industrial Relays

	DB30	DE35	DI8	DLR	DT	DX2	DX3
							
Contact Configuration	DPST-NO, DPST-NC, DPDT, 3PST-NO	DPST-NO-DM	SPDT, DPDT	SPST-NO, DPST-NO	SPST-NO, SPST-NC, SPST-NO+SPST-NC, DPST-NO, DPST-NC, DPDT	DPDT	3PDT
Rated Current (continuous)	40A / 50A	40A	8A, 10A, 12A, 16A	20A, 25A, 30A	10A	10A	7A
Max. Switching Voltage (current dependent)	440VAC, 28VDC	277VAC	440VAC, 125VDC	250VAC, 30VDC	5000VAC	277VAC, 30VDC	277VAC, 30VDC
Coil Voltages	12VDC, 24VDC, 48VDC, 110VDC, 12VAC, 24VAC, 48VAC, 110VAC, 230VAC	12VDC, 24VDC	12VDC, 24VDC, 24VAC, 110VAC, 230VAC	6 to 110VDC, 12 to 230VAC	6 to 220VDC, 6 to 400VAC	6 to 110VDC, 6 to 240VAC	6 to 110VDC, 6 to 240VAC
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgNi90/10	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgNi90/10	AgNi90/10
Operating Temperature Range (consult factory for >85°C)	-55 to 70°C	-40 to 85°C	-40 to 85°C, -40 to 70°C	-40 to 85°C	-40 to 55°C	-40 to 70°C	-40 to 70°C
Terminal arrangement	Fast-on Blades	PCB Solder pins	Screw terminals	Screw terminals, Fast-on Blades, PCB solder pins	Fast-on Blades	Terminal blades for socket mounting	Terminal blades for socket mounting
Mounting	DIN Rail, PCB & Chassis sockets	PCB	DIN Rail	Chassis, DIN Rail or PCB	Chassis	DIN Rail, PCB & Chassis sockets	DIN Rail, PCB & Chassis sockets
Test Lever or Button				<input checked="" type="checkbox"/> (optional)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LED				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Durakool Socket	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Approvals							



# Industrial Relays

DX4	DXN	DY	DYN	D2RS				
								
4PDT	4PDT	SPST-NO, SPDT, DPST- NO, DPDT, 3PDT, 4PDT	DPDT	SPDT, DPDT, DPST				Contact Configuration
5A	5A	12A, 16A	10A	16A				Rated Current
277VAC, 30VDC	277VAC, 30VDC	277VAC, 28VDC	277VAC, 30VDC	440VAC, 220VDC				Max. Switching Voltage (current dependent)
6 to 110VDC, 6 to 240VAC	6 to 110VDC, 6 to 240VAC	12VDC, 24VDC, 110VDC, 220VDC, 12VAC, 24VAC, 110VAC, 220VAC	6 to 110VDC, 6 to 240VAC, 24VAC or DC	(12, 24, 48, 110, 125)VDC, (12, 24, 48, 110, 230)VAC				Coil Voltages
AgNi90/10	AgNi90/10, AgNi90/10+Au	AgSnO <sub>2</sub> , AgNi90/10	AgNi90/10, AgNi90/10+Au	AgNi90/10				Contact Material
-40 to 70°C	-40 to 70°C	-40 to 70°C	-40 to 70°C	-40 to 70°C				Operating Temperature Range (consult factory for >70°C)
Terminal blades for socket mounting	Terminal blades for socket mounting, PCB solder pins	Fast-on Blades, Terminal Blades for sockets, PCB solder pins	Terminal blades for socket mounting, PCB solder pins	Terminal blades for socket mounting				Terminal arrangement
DIN Rail, PCB & Chassis sockets	DIN Rail, PCB & Chassis sockets	DIN Rail, PCB & Chassis sockets	DIN Rail, PCB & Chassis sockets	Din Rail				Mounting
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Test Lever or Button
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				LED
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Durakool Socket
								Approvals









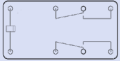
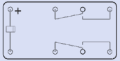
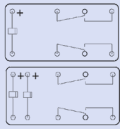
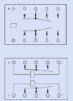



## Latching (bi-stable) Relays

	DG70	DG71	DG73	DG74	DG75	DG76C	DG77A	DG77B
								
Contact Configuration	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST
Rated Current (continuous)	16A/250VAC	20A/250VAC	80A/250VAC	100A/250VAC	40A/250VAC	90A/250VAC	60A/250VAC	80A/250VAC
Max. Switching Voltage (current dependent)	250VAC, 20VDC	277VAC, 20VDC	250VAC, 20VDC	250VAC, 20VDC	250VAC, 20VDC	250VAC	250VAC, 20VDC	250VAC, 20VDC
Coil Voltages	9, 12, 24, 48VDC	5, 9, 12, 24VDC	9, 12, 24, 48VDC	9, 12, 24, 48VDC	9, 12, 24, 48VDC	5, 6, 9, 12, 24, 48VDC	9, 12, 24, 48VDC	9, 12, 24, 48VDC
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Operating Temperature Range	-40 to +70°C	-40 to +70°C	-40 to +70°C	-40 to +70°C	-40 to +70°C	-40 to +85°C	-40 to +70°C	-40 to +70°C
Terminal outline			Custom	Custom	Custom		Custom	Custom
Mounting	PCB	PCB	PCB, Busbar or Chassis	PCB, Busbar or Chassis	PCB	PCB	PCB	PCB
Dimensions (approx.) L x W x H mm	29.4 x 13.6 x 22.8	29 x 12.7 x 15.7	38 x 30.9 x 16.5	40 x 30 x 22	39 x 15 x 29	38 x 16.5 x 30	38 x 17 x 33	38 x 17 x 33
Magnet Arc Quench								
Approvals								

## Latching (bi-stable) Relays

DG78	DG79	DG79B	DX71F	DX71E	DX71D	DTC3	DTC4	
								
SPST	SPST	SPST	SPST-NO + SPST-NO (aux)	SPST-NO + SPST-NO (aux)	SPST-NO + SPST-NO (aux)	DPDT	DPDT	Contact Configuration
120A	100A	120A	80A/24VDC	110A/60VDC	125A/80VDC	1A/125VAC, 2A/30VDC	0.5A/125VAC, 1A/30VDC	Rated Current (continuous)
250VAC, 30VDC	250VAC, 20VDC	250VAC, 20VDC	24VDC	60VDC	80VDC	250VAC, 220VDC (125VA/90W)	250VAC, 220VDC (62.5VA/30W)	Max. Switching Voltage (current dependent)
9V, 12V, 24V, 48V	5V, 9V, 12V, 24V, 48V	5V, 9V, 12V, 24V, 48V	12, 24, 48, 60VDC (latching)	12, 24, 48, 60VDC (latching)	12, 24, 48, 60VDC (latching)	3, 5, 6, 9, 12, 24VDC	3, 5, 6, 9, 12, 24VDC	Coil Voltages
AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgNi0.15+Au, AgPd/AgPd+Au	AgNi0.15+Au	Contact Material
-40 to +70°C	-40 to 85°C	-40 to 85°C	40 to +85°C	40 to +85°C	40 to +85°C	-40 to +85°C	-40 to +70°C	Operating Temperature Range
Custom	Custom	Custom						Terminal outline
PCB or Chassis	Custom, PCB	Custom, PCB	PCB	PCB	PCB	PCB	PCB	Mounting
76 x 43 x 25	52 (max) x 43 x 22	52 (max) x 43 x 22	39.2 x 22 x 27.5	39.2 x 22 x 27.5	39.2 x 22 x 27.5	20.2 x 10.2 x 10.6	14 x 9 x 5	Dimensions (approx.) L x W x H mm
				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Magnet Arc Quench
								Approvals











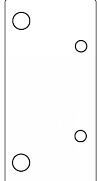
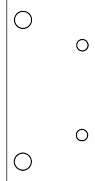
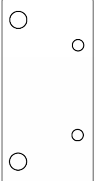
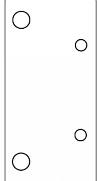
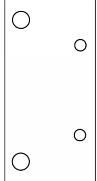
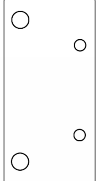








## Signal Relays

	DTC0	DTC1	DTC2	DTC3	DTC3 (latching)	DTC4		
								
Contact Configuration	SPDT	SPDT	DPDT	DPDT	DPDT	DPDT		
Rated Current (continuous)	5A/120VAC, 5A/24VDC	0.5A/125VAC, 1A/30VDC	1A/120VAC, 2A/24VDC	0.5A/120VAC, 2A/30VDC	1A/125VAC, 2A/30VDC	0.5A/125VAC, 1A/30VDC		
Max. Switching Voltage (current dependent)	120VAC, 24VDC	125VAC, 60VDC (62.5VA/30W)	120VAC, 30VDC (120VA/48W)	250VAC, 220VDC (125VA/60W)	250VAC, 220VDC (125VA/90W)	250VAC, 220VDC (62.5VA/30W)		
Coil Voltages	3, 5, 6, 9, 12, 24VDC	1.5, 3, 5, 6, 9, 12, 24VDC	3, 5, 6, 9, 12, 24, 48VDC	3, 5, 6, 9, 12, 24, 48VDC	3, 5, 6, 9, 12, 24VDC	3, 5, 6, 9, 12, 24VDC		
Contact Material	AgNi0.15, AgNi0.15+Au	AgNi0.15+Au	AgNi0.15+Au	AgNi0.15+Au	AgNi0.15+Au, AgPd/AgPd+Au	AgNi0.15+Au		
Operating Temperature Range	-25 to +55°C	-30 to +70°C	-30 to +80°C	-30 to +90°C	-40 to +85°C	-40 to +70°C		
Terminal Outline								
Mounting	PCB	PCB	PCB	PCB	PCB	PCB		
Dimensions (approx.) L x W x H mm	16 x 11 x 11.5	12.5 x 7.5 x 10	21 x 10 x 11.6	20.2 x 10.2 x 10.6	20.2 x 10.2 x 10.6	14 x 9 x 5		
Approvals								




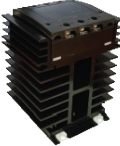
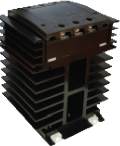

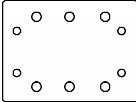
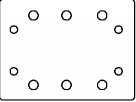
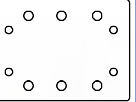
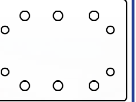
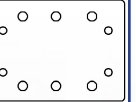
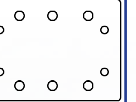






# Solid-State Relays

SRA1	SRA2	SRA3	SSG1C	SSG1C			
							
SPST-NO	2 x SPST-NO	3PST-NO	SPST-NO	SPST-NO			Load Type
10, 20, 25, 30, 40, 60, 80A	10, 15, 20, 25, 30, 40A	10, 20, 25, 30, 40, 60, 80A	60, 80, 100, 120, 150A	200, 300, 350A			Rated Current (continuous)
24~240VAC, 40~480VAC (Zero X-Over)	24~240VAC, 40~480VAC (Zero X-Over)	24~240VAC, 40~480VAC (Zero X-Over)	60~1200VAC (Zero X-Over)	60~1200VAC (Zero X-Over)			Load Switching Voltage
900V	900V	900V	1600V	1600V			Maximum Peak Voltage
4~32VDC, 90~250VAC	4~32VDC	4~32VDC, 90~250VAC	3~14VDC, 3~32VDC	3~14VDC, 3~32VDC			Control Voltage
-30 to +80°C	-30 to +80°C	-30 to +80°C	-30 to +80°C	-30 to +80°C			Operating Temperature Range
							Terminal Outline
Chassis	Chassis	Chassis	Chassis	Chassis			Mounting
60 x 45.1 x 28	57 x 44 x 30.3	106 x 75 x 38	94 x 25 x 36.2	94 x 34 x 43			Dimensions (approx.) L x W x H mm
							Approvals












## Solid-State Relays & Contactors

	SDA1-10	SDA1-15	SDA1-20	SDA1-25	SDA1-30	SDA1-40	SDA1-60	SDA1-80
								
Load Type	SPST-NO	SPST-NO	SPST-NO	SPST-NO	SPST-NO	SPST-NO	SPST-NO	SPST-NO
Rated Current (continuous)	10A	15A	20A	25A	30A	40A	60A	80A
Load Switching Voltage	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)	40~480VAC (Zero X-Over)
Maximum Peak Voltage	900V	900V	900V	900V	900V	900V	900V	900V
Control Voltage	4~32VDC	4~32VDC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC
Terminal Outline								
Mounting	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassisil	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis
Dimensions (approx.) L x W x H mm	100 x 24 x 107	100 x 24 x 107	100 x 48 x 107	100 x 48 x 107	100 x 48 x 107	100 x 80 x 107	100 x 110 x 127	100 x 110 x 127
Approvals								

## Solid-State Relays & Contactors

SDA3-10	SDA3-15	SDA3-20	SDA3-25	SDA3-30	SDA3-40	
						
3PST-NO	3PST-NO	3PST-NO	3PST-NO	3PST-NO	3PST-NO	Load Type
10A	15A	20A	25A	30A	40A	Rated Current (continuous)
40~480VAC (Zero X-over)	40~480VAC (Zero X-over)	40~480VAC (Zero X-over)	40~480VAC (Zero X-over)	40~480VAC (Zero X-over)	40~480VAC (Zero X-over)	Load Switching Voltage
900V	900V	900V	900V	900V	900V	Maximum Peak Voltage
4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	4~32VDC, 90~250VAC	Control Voltage
						Terminal Outline
DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	DIN Rail or Chassis	Mounting
100 x 110 x 80	100 x 110 x 80	100 x 110 x 130	100 x 110 x 130	100 x 110 x 130	125 x 110 x 130	Dimensions (approx.) L x W x H mm
						Approvals

## Definite Purpose Contactors

	30C20	30C25	30C30	30C40	30C50	30C60	30C75	30C90
								
Contact Configuration	SPST-NO-DM, DPST-NO-DM, 3PST-NO-DM, 4PST-NO-DM	SPST-NO-DM, DPST-NO-DM, 3PST-NO-DM, 4PST-NO-DM	SPST-NO-DM, DPST-NO-DM, 3PST-NO-DM, 4PST-NO-DM	SPST-NO-DM, DPST-NO-DM, 3PST-NO-DM, 4PST-NO-DM	DPST-NO-DM, 3PST-NO-DM	DPST-NO-DM, 3PST-NO-DM	DPST-NO-DM, 3PST-NO-DM	DPST-NO-DM, 3PST-NO-DM
FLA Rating	20A	25A	30A	40A	50A	60A	75A	90A
LRA Rating (max.) (voltage dependent)	120A	150A	180A	240A	300A	360A	450A	540A
Max. Switching Voltage (AC) (current dependent)	600V	600V	600V	600V	600V	600V	600V	600V
Coil Voltages (AC)	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC	24V, 120V, 230V, 277V, 480VAC
Contact Material	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO	AgCdO, AgSnOInO
Operating Temperature Range	-40 to +65°C	-40 to +65°C	-40 to +65°C	-40 to +65°C	-40 to +65°C	-40 to +65°C	-40 to +65°C	-40 to +65°C
Coil Terminals	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw	0.25" QC's + 6-32 screw
Power Terminals	10-32 screw + 0.25" QC's	10-32 screw or 14-4 box lug + 0.25" QC's	10-32 screw or 14-4 box lug + 0.25" QC's	10-32 screw or 14-4 box lug + 0.25" QC's	14-2 box lug + 0.25" QC's	14-2 box lug + 0.25" QC's	14-1/0 box lug + 0.25" QC's	14-1/0 box lug + 0.25" QC's
Mounting	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis
Dimensions (approx.) L x W x H (inches)	1P: 3.3 x 2.1 x 2.54" 2P: 3.3 x 2.1 x 2.6" 3P: 3.75 x 2.4 x 3" 4P: 3.8 x 2.75 x 3"	1P: 3.3 x 2.1 x 2.54" 2P: 3.3 x 2.1 x 2.6" 3P: 3.75 x 2.4 x 3" 4P: 3.8 x 2.75 x 3"	1P: 3.3 x 2.1 x 2.54" 2P: 3.3 x 2.1 x 2.6" 3P: 3.75 x 2.4 x 3" 4P: 3.8 x 2.75 x 3"	1P: 3.3 x 2.1 x 2.54" 2P: 3.3 x 2.1 x 2.6" 3P: 3.75 x 2.4 x 3" 4P: 3.8 x 2.75 x 3"	4 x 2.8 x 3.6"	4 x 2.8 x 3.6"	5 x 3.75 x 4"	5 x 3.75 x 4"
Approvals								



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## Resistors

	XV1	XV2	XV3	XV4	XV5	XV6
						
Resistance Range	0.5Ω ~ 3kΩ	10Ω ~ 250Ω	10Ω ~ 250Ω	0.5Ω ~ 3kΩ	1Ω to 5kΩ	0.1Ω to 250Ω
Resistance tolerance	±0.5%, ±1%, ±5%, ±10%	0.5%, 1%, 5%, 10%	0.5%, 1%, 2%, 5%, 10%	1%, 5%, 10%	±0.5%, ±1%, ±5%, ±10%	0.5%, 1%, 2%, 5%, 10%
Power Rating	20W, 30W, 40W, 50W, 60W, 100W	70W ±5% (with heatsink)	100W ±5% (with heatsink)	80W to 500W	100W to 500W	600W to 2800W
Rated Voltage	850VDC	850VDC	850VDC	1000VDC, 1200VDC, 1500VDC	850VDC to 1500VDC	1600VDC to 3000VDC
Rated Current	15A	15A	15A	15A		
Package Type	Compact chassis mount, PCB	Compact metal case intrinsically safe	Chassis mount aluminium housed intrinsically safe	Metal case intrinsically safe	Chassis mount aluminium housed	Chassis mounted, aluminium housed
Operating Temperature	-55 to 200°C	-55 to 200°C	-55 to 200°C	-40 to 155°C	-55 to 200°C	-55 to 200°C
Temperature Coefficient (TCR)	0.5Ω to 1Ω: 1300ppm/ °C, 1.1Ω to 5Ω: 500ppm/ °C, 5.1Ω to 1kΩ: 260ppm/ °C	260ppm/°C	260ppm/°C	0.5Ω-1Ω:1300ppm/ °C, 1.1Ω-5Ω: 500ppm/ °C, 5.1Ω-1kΩ: 260ppm/ °C	1Ω:1300ppm/ °C, 1.1Ω-5Ω: 500ppm/ °C, 5.1Ω-5kΩ: 260ppm/ °C	0.5Ω to 1Ω: 1300ppm/ °C, 1.1Ω to 5Ω: 500ppm/ °C, 5.1Ω to 250Ω: 260ppm/ °C
Dimensions (Approx.) mm (Varies with options)	Power Dependent	75.0 x 33.5 x 12.5	74.0x 47.5 x 26.0	Power Dependent	Power Dependent	Power Dependent
Approx. Weight (Varies with options)	Power Dependent	45g	125g	Power Dependent	Power Dependent	Power Dependent
Approvals						

## About Durakool

Established in 1935, Durakool is a manufacturer of power switching components, leveraging its best-in-class application knowledge and integration experience to deliver optimised, reliable and safe solutions.

Durakool's commitment to excellence not only minimises the risk of project failure, but also propels their customers ahead of their competition.

Today, the reliability and quality of Durakool products are at the heart of Solid State PLC as we continue to innovate and develop relays and contactors that meet our customer needs.



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