



- Industry standard footprint, now with terminal
- Blades with no holes for better mounting in sockets
- Integral LED (Red for AC, Green for DC coils)
- Locking test lever with press feature (Blue for DC, Red for AC coils)
- Welded (not soldered) coil connections for greater reliability

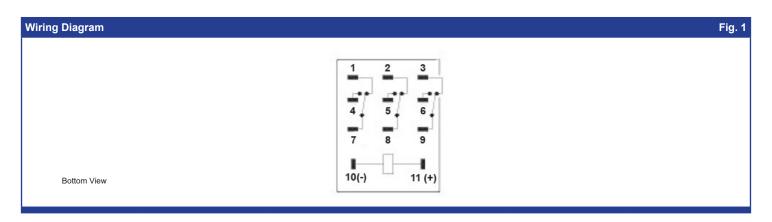
RoHS

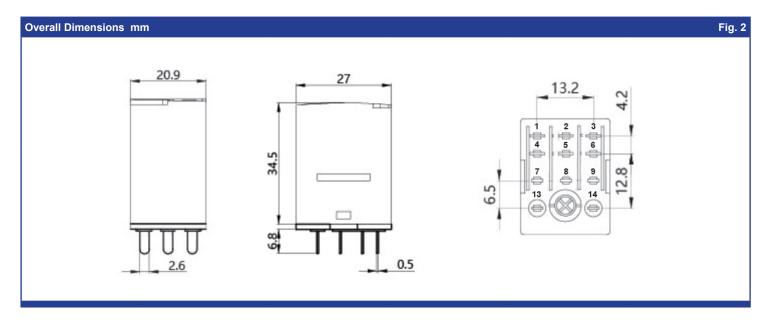
Contacts		Ordering Code
Contact arrangement	3PDT (3C/O)	
Contact material	AgNi (90/10)	D X 3 - 2 0 1 3 - 2 3 - 1 0 1 2 - W T L
Max. switching voltage	277VAC, 30VDC	
Min. breaking capacity	0.3W	Series Coil code:
Rated load (resistive - cos φ=1) AC1	3PDT:7A/240VAC	See tables
DC1	3PDT:7A/28VDC	Contact material 1 & 2
Initial resistance	≤ 100mΩ	20: AgNi(90/10)
Coil		
Nominal voltage	DC 6110V, AC 6240V	Contact arrangement
Must release voltage	DC ≥0.1Un, AC ≥0.3Un	13: 3PDT (3/C/O)
Operating range of supply voltage	See tables 1 & 2	
Rated power consumption	DC 0.9W, AC 1.2VA	Environmental protection IP40
Insulation		2: In cover
Insulation resistance	≥100 MΩ at 500VDC, 50% RH	
Dielectric strength coil to contact	1500V _{ms,} 1min (50Hz), 1mA	Mounting & terminations
contact to contact	1000V _{rms} , 1min (50Hz), 1mA	3: For plug-in sockets only
between adjacent contacts	1200V _{rms,} 1min (50Hz), 1mA	
General Data		
Operating time typ.	≤15ms	<u>Options</u>
Release time typ.	≤10ms	Blank: Without LED & test lever (to special order only)
Electrical life ops.	1 x 10 ⁵	WTL: LED indication of coil energization & test lever (standard
Mechanical life ops.	1 x 10 ⁷	
Environmental		
Environmental protection	IP40	
Ambient temperature operating	-40 to +70°C	
storage	-55 to +70°C	
Shock resistance	10G, 11ms	
Vibration resistance	DA 1.0mm 10-55Hz	
Dimensions L x W x H	27 x 21 x 36.5mm	
Weight approx.	≤35g	



DC Coil Data (Green LED) Table						
Coil code	Nominal voltage (VDC)	Coil resistance Ω ±10%	Power consumption (mW)	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)
1006	6	40	900	4.5	0.6	6.6
1012	12	160	900	9.0	1.2	13.2
1024	24	640	900	18.0	2.4	26.4
1048	48	2600	900	36.0	4.8	52.8
1110	110	13450	900	82.5	11.0	121.0

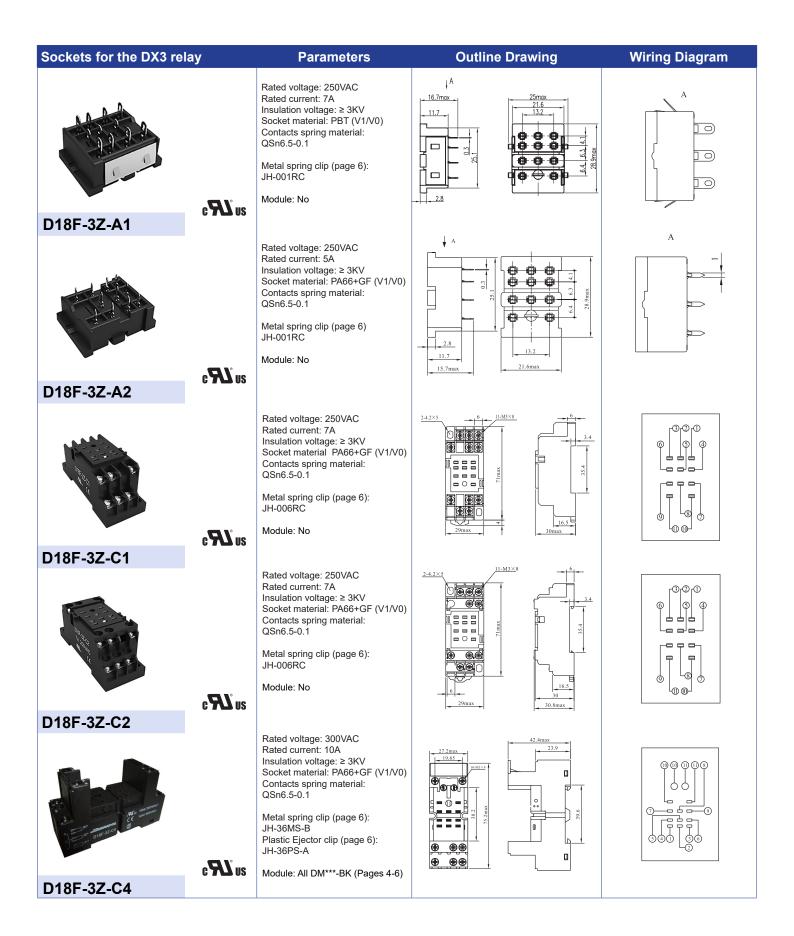
AC Coil Data at 50/60Hz (Red LED) Table 2						
Coil code	Nominal voltage (VAC)	Rated coil current (mA) +15/-20%	Power consumption approx. (VA)	Must operate voltage max. (VAC)	Must release voltage min. (VAC)	Max. allowable voltage (VAC)
3006	6	10.5	1.2	4.8	1.8	6.6
3012	12	42	1.2	9.6	3.6	13.2
3024	24	168	1.2	19.2	7.2	26.4
3048	48	672	1.2	38.4	14.4	52.8
3110	110	3530	1.2	88.0	33.0	121.0
3120	120	4200	1.2	96.0	36.0	132.0
3230	230	15430	1.2	176.0	66.0	242.0



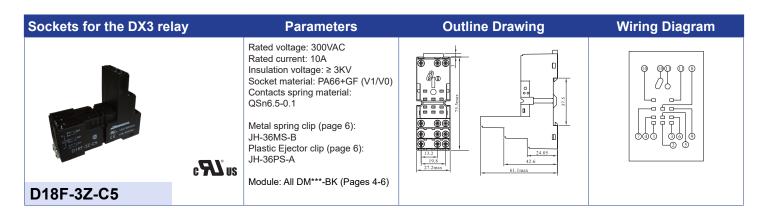


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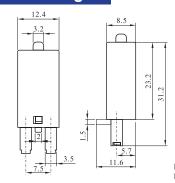








Modules for Durakool Sockets - Round Pin Plug-in





Notes: Durakool modules for sockets have a round LED and square shoulders.

Part No	Socket Types	Circuit	Description
DM21P-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1 + A2	Diode A1-
DM21N-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Diode A1+
DM31R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Red LED with diode, 6 - 24VDC, A1-
DM31G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Green LED with diode, 6 - 24VDC, A1-
DM32R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Red LED with diode, 24 - 60VDC, A1-
DM32G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Green LED with diode, 24 - 60VDC, A1-
DM33R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Red LED with diode, 110 - 230VDC, A1-
DM33G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	- A1	Green LED with diode, 110 - 230VDC, A1-
DM41R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Red LED with diode, 6 - 24VDC, A1+

All accessories are upon request only.

DX3 011022FW

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Part No	Socket Types	Circuit	Description
DM41G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Green LED with diode, 6 - 24VDC, A1+
DM42R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Red LED with diode, 24 - 60VDC, A1+
DM42G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Green LED with diode, 24 - 60VDC, A1+
DM43R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Red LED with diode, 110 - 230VDC, A1+
DM43G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	+ A1	Green LED with diode, 110 - 230VDC, A1+
DM51-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	2 A1	RC Network, 6 to 24V
DM52-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	A2 A1	RC Network, 24V to 60V
DM53-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	2 A1	RC Network, 110 to 230V
DM61R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	**************************************	Red LED, 6 - 24VAC/DC
DM61G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	, A2	Green LED, 6 - 24VAC/DC
DM62R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	¥ , , , , , , , , , , , , , , , , , , ,	Red LED, 24 - 60VAC/DC
DM62G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	, A2	Green LED, 24 - 60VAC/DC
DM63R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Red LED, 110 - 230VAC/DC
DM63G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	→ - A2	Green LED, 110 - 230VAC/DC
DM71-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	A1 A2	Varistor 24VAC

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Modules for Durakool Sockets - Round Pin Plug-in

Part No	Socket Types	Circuit	Description
DM72-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	A1 A2	Varistor 115VAC
DM73-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	A1 A2	Varistor 230VAC
DM91R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	≂ A2	Red LED with varistor, 6 - 24VAC/DC
DM91G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Green LED with varistor, 6 - 24VAC/DC
DM92R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Red LED with varistor, 24 - 60VAC/DC
DM92G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Green LED with varistor, 24 - 60VAC/DC
DM93R-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Red LED with varistor, 110 - 230VAC/DC
DM93G-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	~ A2	Green LED with varistor, 110 - 230VAC/DC
DM103-BK	D14F Series -C2, C3, C5, C9; D18F Series -C4, C5, C8, C9	A A1	Resistor 110 - 230VAC





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