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DOĞRULTUCULAR RECTIFIERS



Ürün Kataloğu | Product Catalogue

Elektromanyetik Kontrol Teknolojileri
Electromagnetic Control Technologies

BAZEN DURMAK GEREKİR SOMETIMES YOU STOP

KISALTMALAR LİSTESİ | LIST OF ABBREVIATIONS

AKD	-	İzin verilen maksimum açma / kapatma döngüsü Max. permissible switching cycle
C_f	[μ F]	Cebri aksiyal fan kapasitör kapasitesi Capacitor capacitance of the forced axial fan
f_d	[Hz]	Frekans Frequency
f_f	[Hz]	Cebri aksiyal fanın frekansı Frequency of the forced axial fan
I_{20}	[A]	Bobin akımı (20 °C 'de) Coil current (at 20 °C)
I_{45}	[A]	Doğrultucu akımı (45 °C'de) Rectifier current (at 45 °C)
I_{80}	[A]	Doğrultucu akımı (80 °C'de) Rectifier current (at 80 °C)
J	[kgm ²]	Kütle atalet momenti Mass moment of inertia
L_T	[mm]	Fren torku ayar mesafesi Brake torque adjustment distance
M_b	[Nm]	Statik yük torku Static load torque
M_d	[Nm]	Döndürme torku Rotation torque
M_G	[Nm]	Gerekli tork Required torque
M_k	[Nm]	Nominal frenleme torku Nominal braking torque
n	[d/dk]	Devir sayısı Revolutions per minute [rpm]
n_f	[d/dk]	Cebri aksiyal fanın devir sayısı Revolutions per minute of the forced axial fan [rpm]
N	[kW]	Güç Power



KISALTMALAR LİSTESİ | LIST OF ABBREVIATIONS

P	[hp]	Güç Power
P _f	[W]	Cebri aksiyal fanın gücü Power of the forced axial fan
P ₂₀	[W]	Güç (20 °C 'de) Power (at 20 °C)
Q _c	[J]	Sürtünme enerjisi (izin verilen) Friction energy (permissible)
Q _f	[m ³ /h]	Cebri aksiyal fanın hava debisi Air flow of the forced axial fan
Q _T	[J]	Sürtünme enerjisi (termal yük) Friction energy (thermal load)
s _{max}	[mm]	Maks. çalışma boşluğu Max. working gap
S _c	[h ⁻¹]	Çalışma frekansı Operating frequency
S _K	-	Güvenlik (emniyet) katsayısı Safety factor
t ₁	[ms]	Frenleme süresi Braking time
t ₁₁	[ms]	Frenleme gecikme süresi Braking delay time
t ₂	[ms]	Fren serbest bırakma süresi Brake release time
T _f	[°C]	Cebri aksiyal fanın çalışma sıcaklık aralığı Temperature range of the forced axial fan
U _c	[V DC]	Çıkış voltajı Output voltage
U _g	[V AC]	Giriş voltajı (max.) Input voltage (max.)
U _N	[V AC]	Nominal gerilim Nominal voltage
U ₂₀	[V DC]	Bobin gerilimi (20 °C 'de) Coil voltage (at 20 °C)

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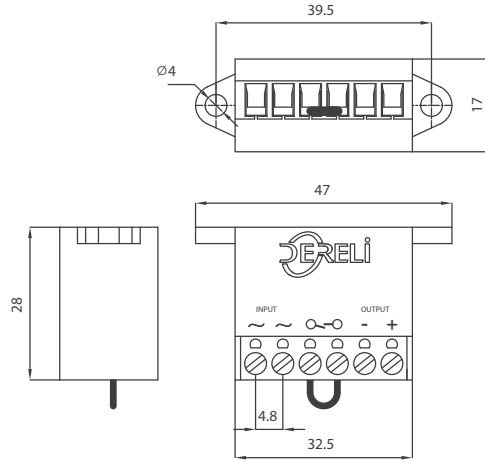
Doğrultucu Tipi ve Bobin Gerilimi | Rectifier Type & Coil Voltage

14

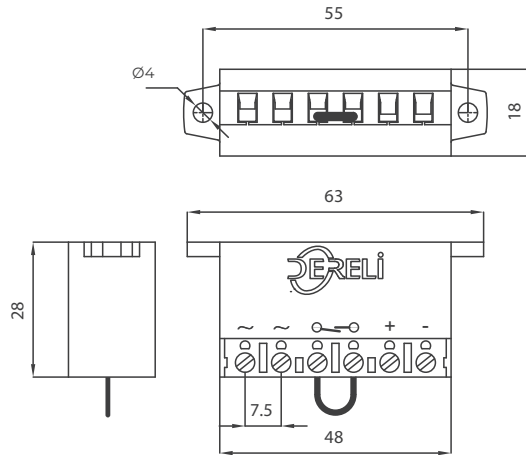
Bağlantı Şemaları | Wiring Diagrams

Doğrultucu Teknik Detayları | Rectifier Technical Details

U_g	Giriş voltajı (max.) Input voltage (max.)
U_c	Çıkış voltajı Output voltage
I_{45}	Akım (45 °C'de) Current (at 45 °C)
I_{80}	Akım (80 °C'de) Current (at 80 °C)
f_d	Frekans Frequency

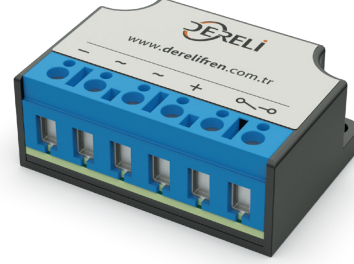
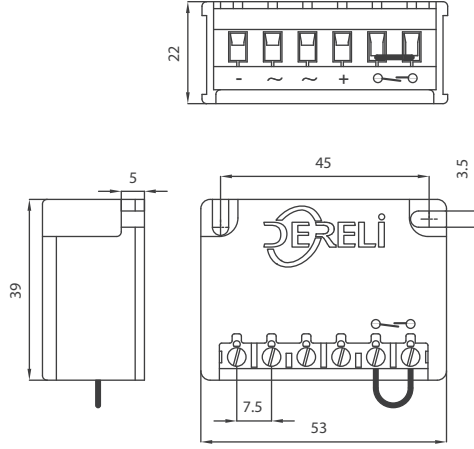


Ürün Kodu Product Code	Doğrultucu Tipi Rectifier Type	U_g [V AC]	U_c [V DC]	I_{45} [A]	I_{80} [A]	f_d [Hz]	Fren Boyutu Brake Size	
DDY-500-02-2D	Yarım Dalga Half Wave	500	$0,45 \times U_g$	2,5	1,5	50 / 60	DYF01...DYF02	DF05...DF10
DDY-270-02-2D-T	Tam Dalga Full Wave	270	$0,95 \times U_g$	2,5	1,5	50 / 60	DYF01...DYF02	DF05...DF10

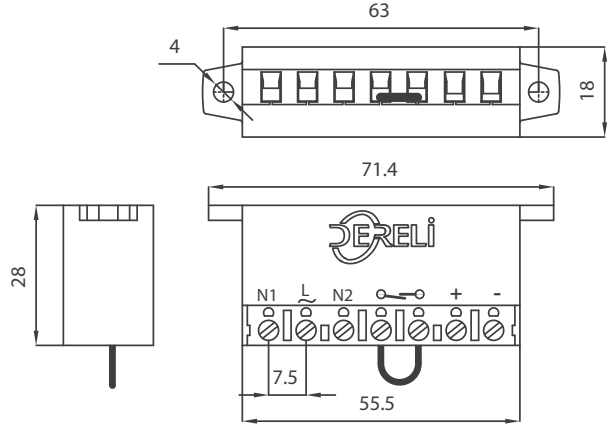


Ürün Kodu Product Code	Doğrultucu Tipi Rectifier Type	U_g [V AC]	U_c [V DC]	I_{45} [A]	I_{80} [A]	f_d [Hz]	Fren Boyutu Brake Size	
DDY-500-03-4D	Yarım Dalga Half Wave	240	$0,45 \times U_g$	3	1,5	50 / 60	DYF03...DYF09-D	DF25...DF300
DDY-400-03-4D	Yarım Dalga Half Wave	400	$0,45 \times U_g$	3	1,5	50 / 60	DYF03...DYF09-D	DF25...DF500

Doğrultucu Teknik Detayları | Rectifier Technical Details



Ürün Kodu Product Code	Doğrultucu Tipi Rectifier Type	U_g [V AC]	U_c [V DC]	I_{45} [A]	I_{80} [A]	f_d [Hz]	Fren Boyutu Brake Size	
DDY-220-98-6D	Yarım Dalga Half Wave	240	$0,45 \times U_g$	3	1,5	50 / 60	DYF03...DYF09-D	DF25...DF300
DDY-380-198-6D	Yarım Dalga Half Wave	400	$0,45 \times U_g$	3	1,5	50 / 60	DYF03...DYF09-D	DF25...DF500
DDY-380-05-6D	Tam-Yarım dalga Full-Half wave	400	$0,95 \times U_g (1s) - 0,45 \times U_g$	2	1,5	50 / 60	DYF03...DYF08	DF25...DF300
DDY-550-245-6D	Yarım Dalga Half Wave	550	$0,45 \times U_g$	6	3	50 / 60	DYF09...DYF10-D	DF500... DF1600-D
DDY-220-200-6D	Tam Dalga Full Wave	240	$0,95 \times U_g$	3	1,5	50 / 60	DYF03...DYF10-D	DF25...DF1600-D



Ürün Kodu Product Code	Doğrultucu Tipi Rectifier Type	U_g [V AC]	U_c [V DC]	I_{45} [A]	I_{80} [A]	f_d [Hz]	Fren Boyutu Brake Size	
DDY-240-03-7D	Yarım Dalga Half Wave	240	$0,45 \times U_g$	1,5	1	50 / 60	DYF03...DYF08	DF25...DF300

Doğrultucu Tipi ve Bobin Gerilimi | Rectifier Type & Coil Voltage

Şebeke Gerilimi (±7%) Mains Voltage (±7%) U_N [V AC]	Doğrultucu Ürün Kodu (6 Terminalli ve DC Anahtarlama) Rectifier Product Code (With 6 Terminal and DC Switching)	Doğrultucu Tipi Rectifier Type	Bobin Gerilimi (±7%) Coil Voltage (±7%) U_{20} [V DC]
27	DDY-270-02-2D-T ¹⁾	Tam Dalga Full Wave	24
	DDY-220-200-6D ²⁾	Tam Dalga Full Wave	24
42	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	20
48	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	20
	DDY-270-02-2D-T ¹⁾	Tam Dalga Full Wave	42
110	DDY-270-02-2D-T ¹⁾	Tam Dalga Full Wave	98
	DDY-220-200-6D ²⁾	Tam Dalga Full Wave	98
220	DDY-500-03-4D ¹⁾	Yarım Dalga Half Wave	98
	DDY-220-98-6D ²⁾	Yarım Dalga Half Wave	98
	DDY-220-200-6D ²⁾	Tam Dalga Full Wave	190
230	DDY-500-03-4D ¹⁾	Yarım Dalga Half Wave	98
	DDY-220-98-6D ²⁾	Yarım Dalga Half Wave	98
	DDY-220-200-6D ²⁾	Tam Dalga Full Wave	190
240	DDY-500-03-4D ¹⁾	Yarım Dalga Half Wave	98
	DDY-220-200-6D ²⁾	Tam Dalga Full Wave	225
380	DDY-500-02-2D ¹⁾	Yarım Dalga Half Wave	190
	DDY-400-03-4D ¹⁾	Yarım Dalga Half Wave	190
	DDY-380-198-6D ²⁾	Yarım Dalga Half Wave	190
400	DDY-500-02-2D ¹⁾	Yarım Dalga Half Wave	190
	DDY-400-03-4D ¹⁾	Yarım Dalga Half Wave	190
	DDY-380-198-6D ²⁾	Yarım Dalga Half Wave	190
415	DDY-500-02-2D ¹⁾	Yarım Dalga Half Wave	190
	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	190
420	DDY-500-02-2D ¹⁾	Yarım Dalga Half Wave	190
	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	190
440	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	190
460	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	190
480	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	205
500	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	225
550	DDY-550-245-6D ³⁾	Yarım Dalga Half Wave	225

¹⁾ 2,5 A ve 45°C | ¹⁾ 2,5 A and 45°C

²⁾ 3 A ve 45°C | ²⁾ 3 A and 45°C

³⁾ 6 A ve 45°C | ³⁾ 6 A and 45°C

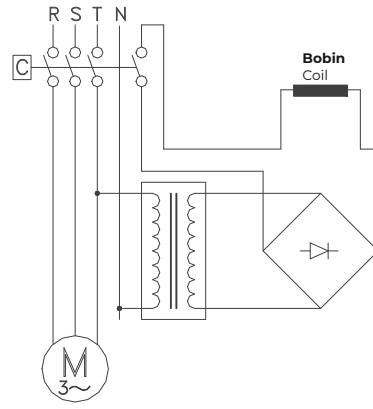
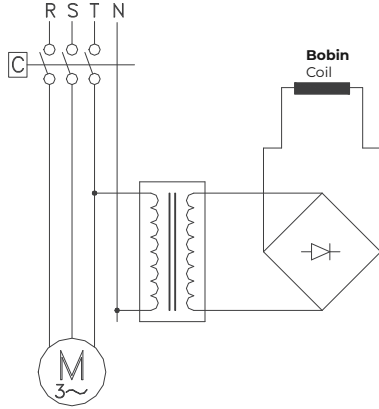
Nominal gerilimler [V DC]: 24, 48, 98, 190 | Nominal voltages [V DC]: 24, 48, 98, 190

Bağlantı Şemaları | Wiring Diagrams

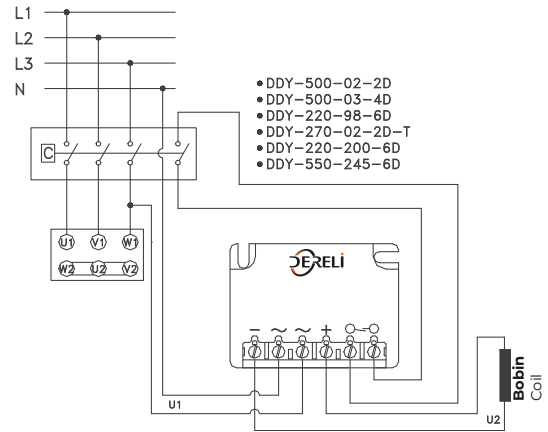
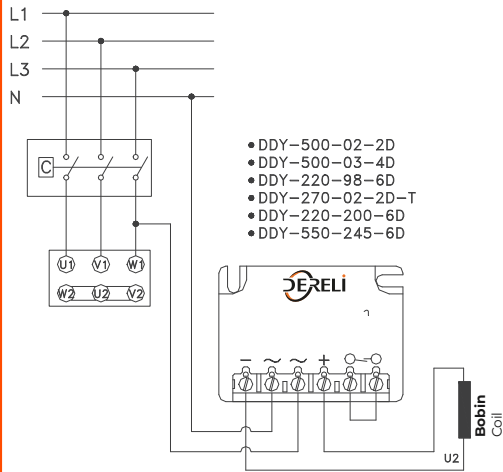
AC Anahtarlama | AC Switching

DC Anahtarlama | DC Switching

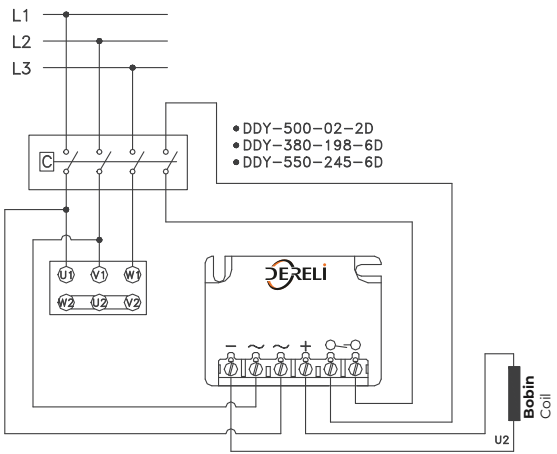
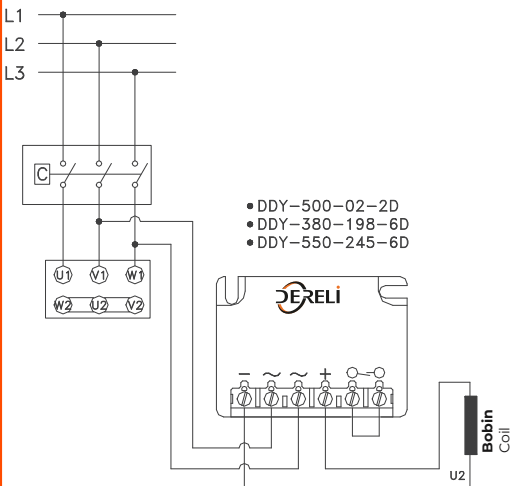
24 V / 48 V



220 V



380 V



220 V

INVERTER
INVERTER 'RUN' CONTACT

R S T

U₁ V₁ W₁
U₂ V₂ W₂

*K1

R N

- DDY-500-02-2D
- DDY-500-03-4D
- DDY-220-98-6D
- DDY-270-02-2D-T
- DDY-220-200-6D
- DDY-550-245-6D

DERELI

Bobin
Coil

U₂

380 V

INVERTER
INVERTER 'RUN' CONTACT

R S T

U₁ V₁ W₁
U₂ V₂ W₂

*K1

R S

- DDY-500-02-2D
- DDY-380-198-6D
- DDY-550-245-6D

DERELI

Bobin
Coil

U₂

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