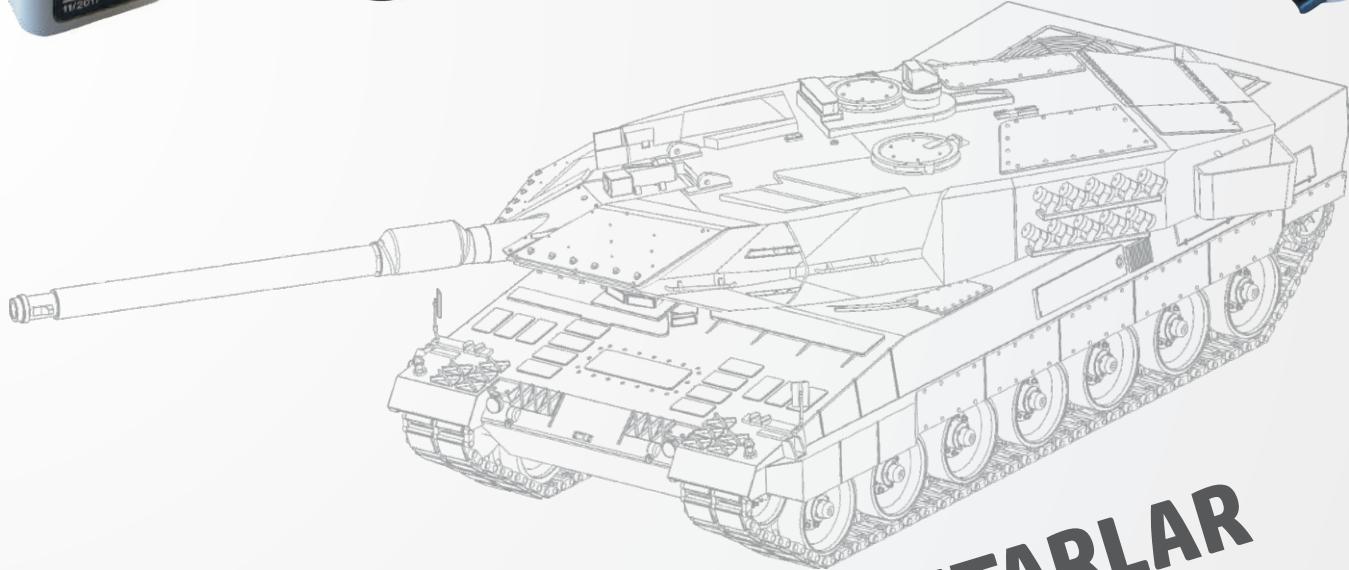


TEKOM

Elektrik Elektronik Mek. İnş. San. Tic. Ltd. Şti.



ASKERİ TİP SINIR ANAHTARLAR
MILITARY TYPE LIMIT SWITCHES

2018

HAKKIMIZDA

Kuruluş tarihi olan 2000 yılından bu yana **TEKOM**, Zırhlı Araç Aydınlatmaları, Askeri Tip Limit Switchler, Kontrol Kutuları, DC-DC dönüştürücüler, Röleler, Güç Kaynakları gibi elektromekanik alanlarda yürüttüğü çalışmalar sonucunda geliştirdiği teknoloji ve elde ettiği bilgi birikimini kullanarak Türkiye pazarında savunma ve güvenlik ihtiyaçlarına yönelik yurtdışı kaynaklı ürünlerin alternatif üreticisi olmuştur.

Dünyada ve ülkemizde artan güvenlik ihtiyaçları doğrultusunda,

TEKOM;

- Zırhlı Araç ve Havacılık Aydınlatma Ürünleri
- Askeri Tip Limit Switchler
- Kontrol Kutuları
- Güç Kaynakları
- Askeri Tip Röleler
- Sensörler (Hız / Manyetik / Sıcaklık / Basınç)
- Askeri Standartta Kumanda ve Dağıtım Kutuları
- Elektronik Kartlar
- Servo Motor ve Sürücüler

alanlarında faaliyet göstermektedir.

TEKOM Sistem çözümlerinde, tasarımından lojistik aşamasına kadar %100 yerli imkanları kullanarak müşterilerine yüksek teknolojili kaliteli ürünler sunar.

ABOUT US

Since 2000, **TEKOM** has been working in electromechanical field such as Armored Vehicle Lighting, Military Type Limit Switches, Control Boxes, DC-DC Converters, Relays and Power Supplies. It has become an alternative producer for foreign based defense and security products using self-developed technology and knowledge in Turkish market.

In accordance with increased security requirements in the world and our country,

TEKOM;

- Armored Vehicle and Aircraft Lighting Products
- Military Type Limit Switches
- Control Boxes
- Power Supplies
- Military Type Relays
- Sensors (Encoder / Magnetic / Heat / Pressure)
- Military Standard Control and Distribution Boxes
- Electronic Boards
- Servo Motor and Drivers

Works such as areas.

TEKOM provides products with high technology and quality to customers using completely native facilities from design to logistics stage in system solutions.



TEKOM

Turkey
Discover
the potential

ÜRÜN KODLAMASI / ORDERING KEY

LS1	1	1	2	1	1	B	D	1	XX
seri series	boyut dimension	aktüatör actuator	op. kuvveti op. force	kontak contact	anahtar tipi switch type	konnektör connector	makara yönü roller pos.	renk colour	özel imalat no custom man. no

1	Seri	Series
2	Gövde Boyutu	Body Dimension
1- Küçük Gövde	(29mmx21.5mmx21.5 mm)	1- Small Size (29mmx21.5mmx21.5mm)
2- Büyük Gövde	(39mmx26mmx27mm)	2- Large Size (39mmx26mmx27mm)
S- Özel		S- Custom
3	Aktüatör	Actuator
1- Düz		1- Chisel
2- Bilyalı		2- Ball
3- Makaralı		3- Roller
4- Butonlu		4- Manual
S- Özel		S- Custom
4	Operasyon Kuvveti	Operation Force
1- $15 \pm 5N$		1- $15 \pm 5N$
2- $30 \pm 5N$		2- $30 \pm 5N$
S- Özel		S- Custom
5	Kontak	Contact
1- Tek Kontak		1- Single Pole
2- Çift Kontak		2- Dual Pole
6	Anahtar Tipi	Switch Type
1- Gümüş (MS24547-1)		1- Silver (MS24547-1)
2- Altın (MS24547-2)		2- Gold (MS24547-2)
7	Konnektör	Connector
A- MS3112E8-3P		A- MS3112E8-3P
B- MS3112E10-6P		B- MS3112E10-6P
C- VG95234A-10SL-3PN		C- VG95234A-10SL-3PN
K- Kablolu (Kablo ucu açık)		K- With Cable (Cable end opened)
S- Özel		S- Custom
8	Makara Yönü*	Roller Position*
A- 0 Derece		A- 0 Degree
B- 45 Derece		B- 45 Degree
C- 90 Derece		C- 90 Degree
D- 135 Derece		D- 135 Degree
9	Renk	Colour
1- Yeşil (Ral 6020)		1- Green (Ral 6020)
2- Siyah (Ral 9005)		2- Black (Ral 9005)
3- Gri (Ral 7046)		3- Grey (Ral 7046)
S- Özel		S- Özel

* Aktüatör makaralı tipte seçilmemişinde,
makara yönü kodu A (0 Derece) olarak seçilecektir.

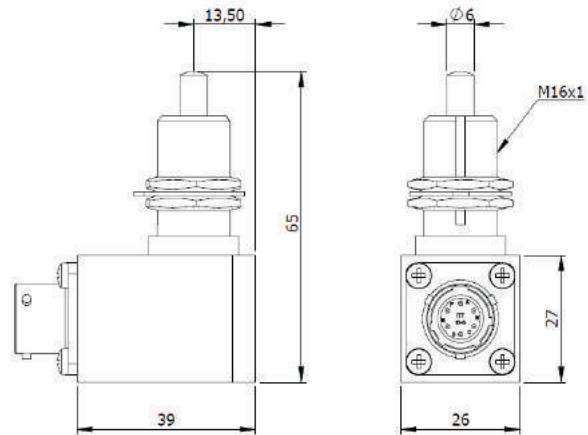
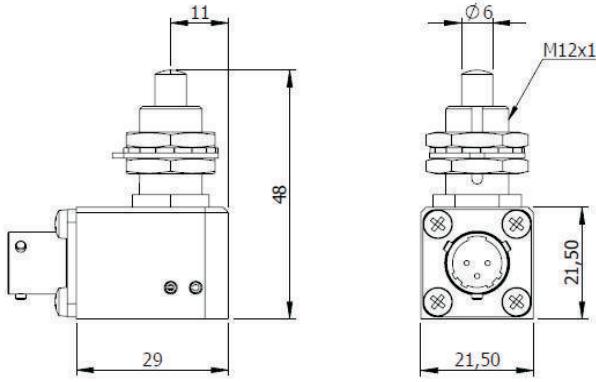
* If actuator is not selected roller type,
roller position code is selected as A (0 Degree)

ÖLÇÜLENDİRME / DIMENSION

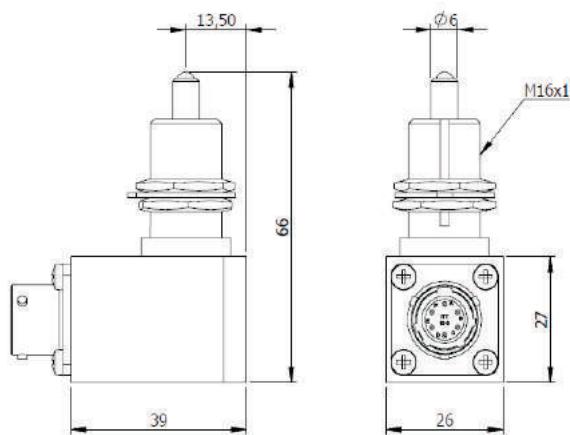
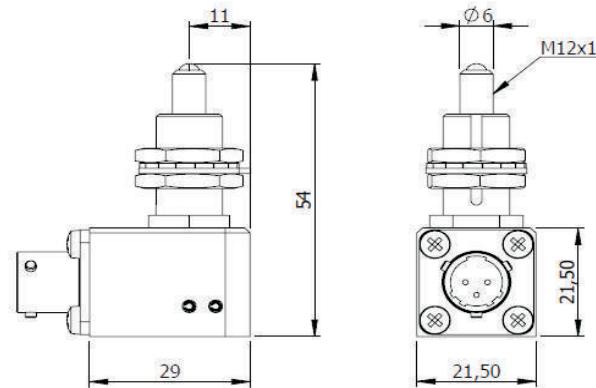
Küçük Gövde / Small Size

Büyük Gövde / Large Size

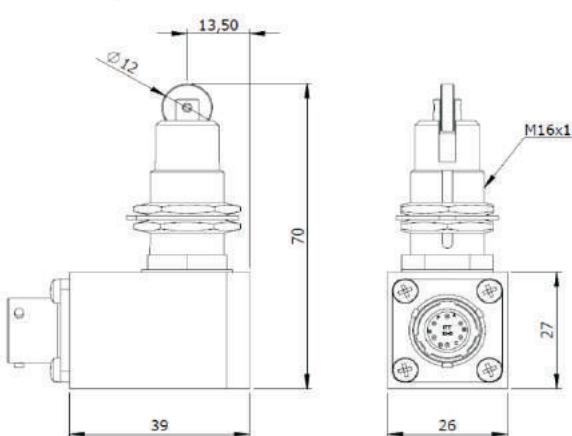
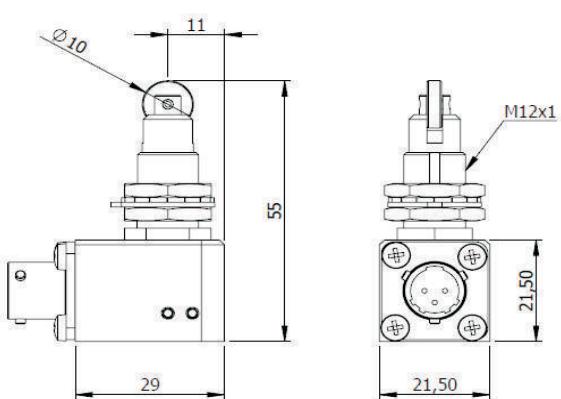
Düz Aktüatör Modeli / Chisel Actuator Type



Bilyalı Aktüatör Modeli / Ball Actuator Type



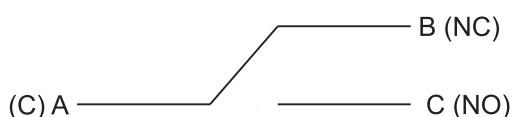
Makaralı Aktüatör Modeli / Roller Actuator Type



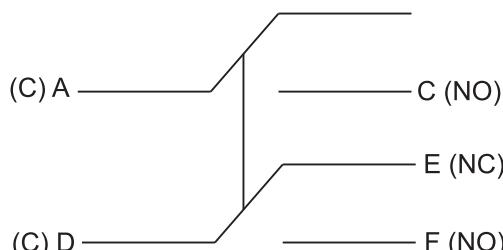
LS1 SERİSİ TEKNİK ÖZELLİKLER / LS1 SERIES TECHNICAL SPECIFICATIONS

Gövde Malzemesi	Al Alaşım	Housing Material	Al Alloy
Aktüatör Malzemesi	AISI 316 Paslanmaz Çelik	Actuator Material	AISI 316 Stainless Steel
Sıcaklık Aralığı	-40C +60C	Temperature Range	-40C +60C
Sızdırmazlık	IP67 (1m/30dk)	Sealing	IP67 (1m/30min)
Operasyon Kuvveti	15 ± 5N veya 30 ± 5N	Operation Force	15 ± 5N or 30 ± 5N
Vibrasyon Testi; MIL-STD-202; Metot 204; Test Yöntemi B (10-2000 Hz)	15 g	Vibration Test; MIL-STD-202; Method 204; Test Condition B (10-2000 Hz)	15 g
Şok Testi; MIL-STD-202; Metot 213; Test Yöntemi I (6 ms; testere dışı)	100 g	Shock Test; MIL-STD-202; Method 213; Test Condition I (6 ms; sawtooth)	100 g
İzolasyon Dayanımı; MIL-STD-202; Metot 302; Test Yöntemi B (500 V; 1 dk)	100 MOhm dk	Insulation Resistance; MIL-STD- 202; Method 302; Test Condition B (500 V; 1 min)	100 MOhm min
Dielektrik Dayanım Voltajı; MIL- STD-202; Metot 301	1050 VAC	Dielectric Withstanding Voltage; MIL-STD-202; Method 301	1050 VAC
Ömür; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 çevrim	Endurance; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 cycles

KONTAK ŞEMASI / CIRCUITS



Tek Kontak / Single Pole



Çift Kontak / Dual Pole



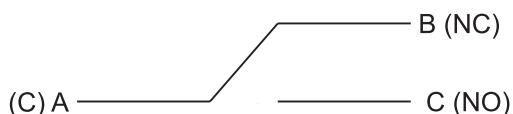
STANDART ÜRÜN KODLAMASI / STANDART PRODUCT ORDERING KEY

Çapraz Kodlama / Cross References

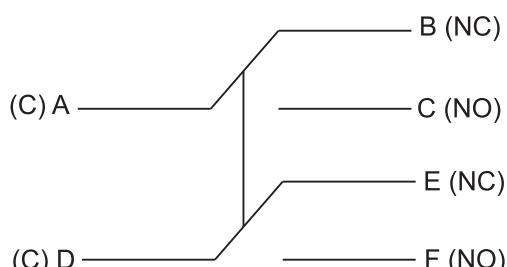
MS Parça Numarası / MS Part Number	Honeywell	TEKOM
MS24331-1	1-EN1-6	LS2-24331-1
MS24331-2	2EN1-6	LS2-24331-2
MS24331-3	3EN1-6	LS2-24331-3
MS24331-4	4EN1-6	LS2-24331-4
MS21321-1	402EN1-6	LS2-21321-1
MS21321-2	404EN1-6	LS2-21321-2
MS27240-1	602EN1-6	LS2-27240-1
MS27240-2	604EN1-6	LS2-27240-2
MS27240-3	622EN1-6	LS2-27240-3
MS27240-4	624EN1-6	LS2-27240-4
MS27240-5	602EN222-6	LS2-27240-5
MS27240-6	604EN222-6	LS2-27240-6
MS27240-7	622EN222-6	LS2-27240-7
MS27240-8	624EN222-6	LS2-27240-8



KONTAK ŞEMASI / CIRCUITS



Tek Kontak / Single Pole



Çift Kontak / Dual Pole

LS2 SERİSİ TEKNİK ÖZELLİKLER / LS2 SERIES TECHNICAL SPECIFICATIONS

Gövde Malzemesi	AISI 316 Paslanmaz Çelik	Housing Material	AISI 316 Stainless Steel
Aktüatör Malzemesi	AISI 316 Paslanmaz Çelik	Actuator Material	AISI 316 Stainless Steel
Sıcaklık Aralığı	-40C +60C	Temperature Range	-40C +60C
Sızdırmazlık	IP67 (1m/30 dk)	Sealing	IP67 (1m/30min)
Operasyon Kuvveti	15 ± 5 N veya 30 ± 5 N	Operation Force	15 ± 5 N or 30 ± 5 N
Vibrasyon Testi; MIL-STD-202; Metot 204; Test Yöntemi B (10-2000 Hz)	15 g	Vibration Test; MIL-STD-202; Method 204; Test Condition B (10-2000 Hz)	15 g
Şok Testi; MIL-STD-202; Metot 213; Test Yöntemi I (6 ms; testere dışı)	100 g	Shock Test; MIL-STD-202; Method 213; Test Condition I (6 ms; sawtooth)	100 g
İzolasyon Dayanımı; MIL-STD-202; Metot 302; Test Yöntemi B (500 V; 1 dk)	100 MOhm dk	Insulation Resistance; MIL-STD-202; Method 302; Test Condition B (500 V; 1 min)	100 MOhm min
Dielektrik Dayanım Voltajı; MIL-STD-202; Metot 301	1050 VAC	Dielectric Withstanding Voltage; MIL-STD-202; Method 301	1050 VAC
Ömür; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 çevrim	Endurance; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 cycles

ÜRÜN KODLAMASI / ORDERING KEY

LS3	1	1	2	1	5	B	B	1	XX
seri series	boyut dimension	aktüatör actuator	op. kuvveti op. force	kontak contact	konnektör connector	kablo boyu cable length	kablo çıkış yönü cable output position	renk colour	özel imalat no custom man. no

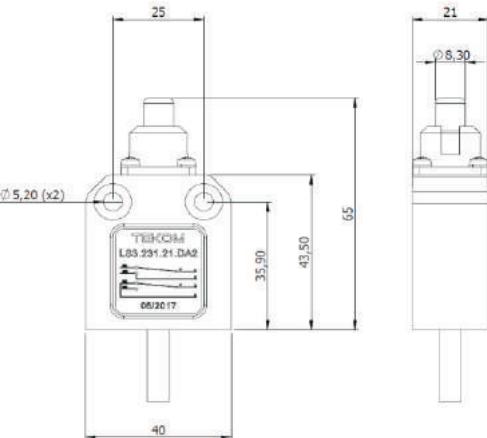
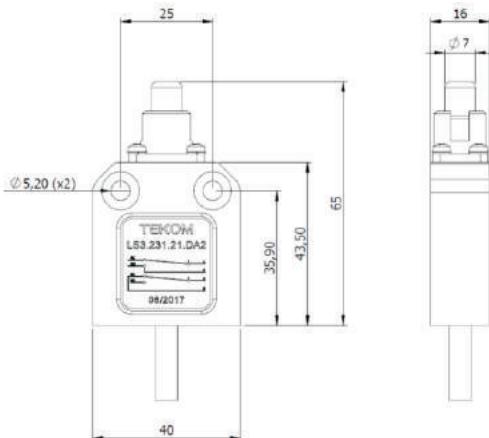
1	Seri	Series
2	Boyut	Dimension
1- Küçük Gövde (40mmx65mmx16mm)	1- Small Size (40mmx65mmx16mm)	
2- Büyük Gövde (40mmx65mmx21mm)	2- Large Size (40mmx65mmx21mm)	
S- Özel	S- Custom	
3	Aktüatör	Actuator
1- Düz	1- Chisel	
2- Bilyalı	2- Ball	
3- Makaralı	3- Roller	
4- Butonlu	4- Manual	
S- Özel	S- Custom	
4	Operasyon Kuvveti	Operation Force
1- $15 \pm 5N$	1- $15 \pm 5N$	
2- $30 \pm 5N$	2- $30 \pm 5N$	
S- Özel	S- Custom	
5	Kontak	Contact
1- Tek Kontak	1- Single Pole	
2- Çift Kontak	2- Dual Pole	
6	Konnektör	Connector
1- Sure Seal (120-8551-002)	1- Sure Seal (120-8551-002)	
2- Sure Seal (120-8551-101)	2- Sure Seal (120-8551-101)	
3- KPT01E8-3P	3- KPT01E8-3P	
4- Kablolu (Soketsiz)	4- Cable without socket	
5- AMP Soket (776495-2)	5- AMP Socket (776495-2)	
6- KPT01E10-6P	6- KPT01E10-6P	
7- AMP Soket (282105-1)	7- AMP Soket (282105-1)	
S- Özel	S- Custom	
7	Kablo Boyu	Cable Length
A- 150 mm	A- 150 mm	
B- 300 mm	B- 300 mm	
S- Özel	S- Custom	
8	Kablo Çıkış Yönü	Cable Output Position
A- Altan	A- Below	
B- Yandan	B- Side	
9	Renk	Colour
1- Yeşil (Ral 6020)	1- Green (Ral 6020)	
2- Siyah (Ral 9005)	2- Black (Ral 9005)	
3- Gri (Ral 7046)	3- Grey (Ral 7046)	
S- Özel	S- Custom	

ÖLÇÜLENDİRME / DIMENSION

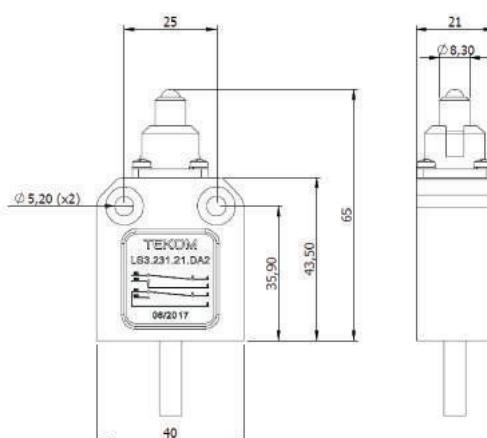
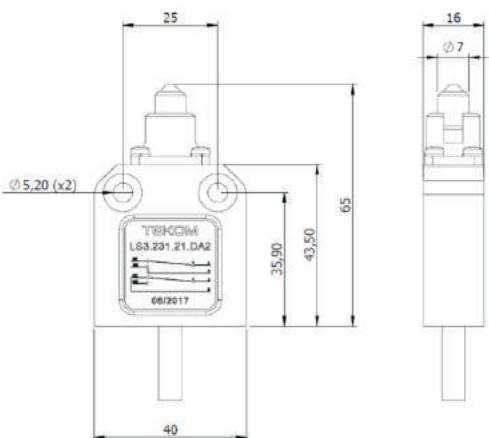
Küçük Gövde / Small Size

Büyük Gövde / Large Size

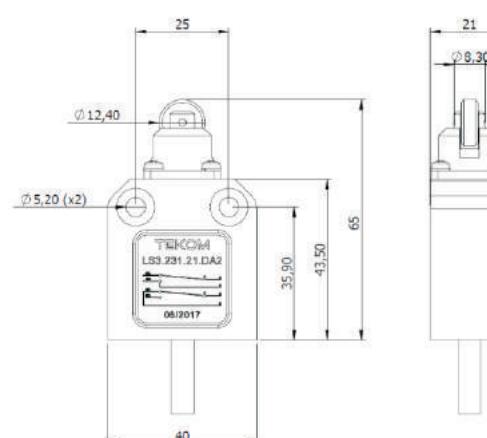
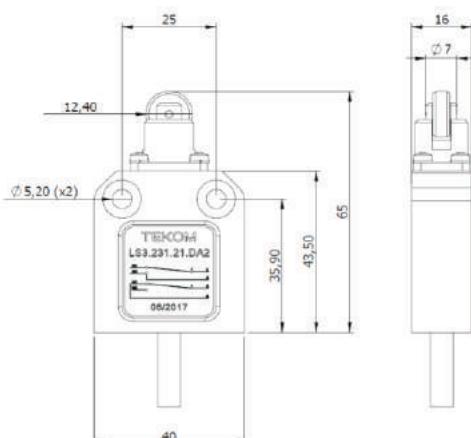
Düz Aktüatör Modeli / Chisel Actuator Type



Bilyalı Aktüatör Modeli / Ball Actuator Type



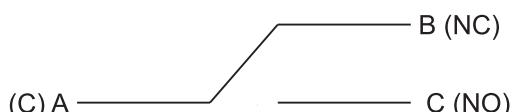
Makaralı Aktüatör Modeli / Roller Actuator Type



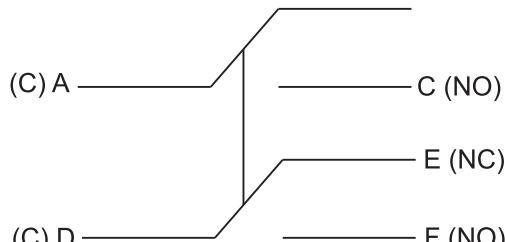
TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Gövde Malzemesi	Al Alaşım	Housing Material	Al Alloy
Aktüatör Malzemesi	AISI 316	Actuator Material	AISI 316
Sıcaklık Aralığı	-40C +60C	Temperature Range	-40C +60C
Sızdırmazlık	Ip67 (1m/30dk)	Sealing	Ip67 (1m/30sec)
Operasyon Kuvveti	15 ± 5 N veya 30 ± 5 N	Operation Force	15 ± 5 N or 30 ± 5 N
Vibrasyon Testi; MIL-STD-202; Metot 204; Test Yöntemi B (10-2000 Hz)	15 g	Vibration Test; MIL-STD-202; Method 204; Test Condition B (10-2000 Hz)	15 g
Şok Testi; MIL-STD-202; Metot 213; Test Yöntemi I (6 ms; testere dışı)	100 g	Shock Test; MIL-STD-202; Method 213; Test Condition I (6 ms; sawtooth)	100 g
İzolasyon Dayanımı; MIL-STD-202; Metot 302; Test Yöntemi B (500 V; 1 dk)	100 MOhm dk	Insulation Resistance; MIL-STD- 202; Method 302; Test Condition B (500 V; 1 min)	100 MOhm min
Dielektrik Dayanım Voltajı; MIL- STD-202; Metot 301	1050 VAC	Dielectric Withstanding Voltage; MIL-STD-202; Method 301	1050 VAC
Ömür; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 çevrim	Endurance; MIL-S-8805; 4.8.26 (28 VDC; 1 Amps)	100 000 cycles

KONTAK ŞEMASI / CIRCUITS



Tek Kontak / Single Pole

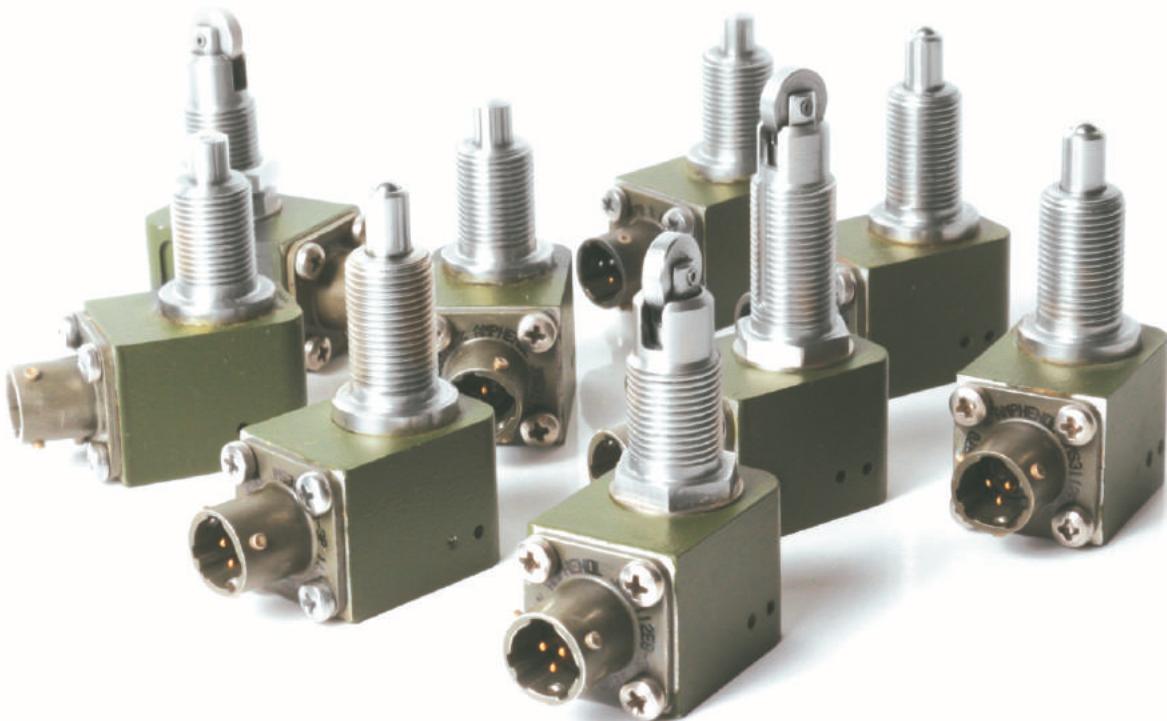
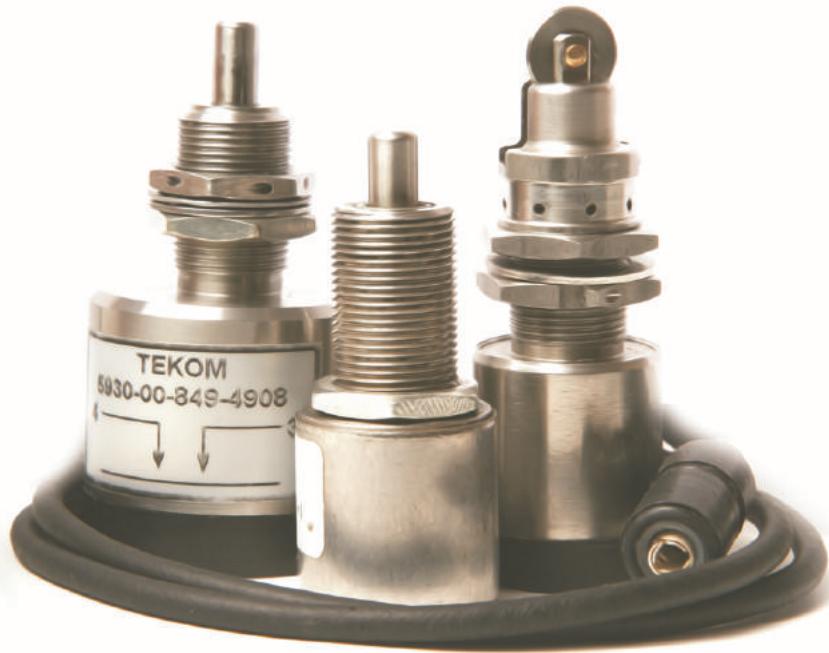


Çift Kontak / Dual Pole



NOTLAR / NOTES

TÜRKİYE'NİN LİDER ZIRHLI ARAÇ ÜRETİCİLERİİNİN TERCİHİ
CHOICE OF TURKEY'S LEADING ARMORED VEHICLE MANUFACTURERS



TEKOM

Elektrik Elektronik Mek. İnş. San. Tic. Ltd. Şti.

