Üzerinde mavi renkli "KONTROLLÜ KOPYA " kaşesi bulunmayan dokümanlar kontrol dışı çoğaltılmıştır,geçerliliği yoktur. / Documents, do not bear a blue inked "Controlled Copy" stamp are without authorization and invalid.

Notlar/ Notes

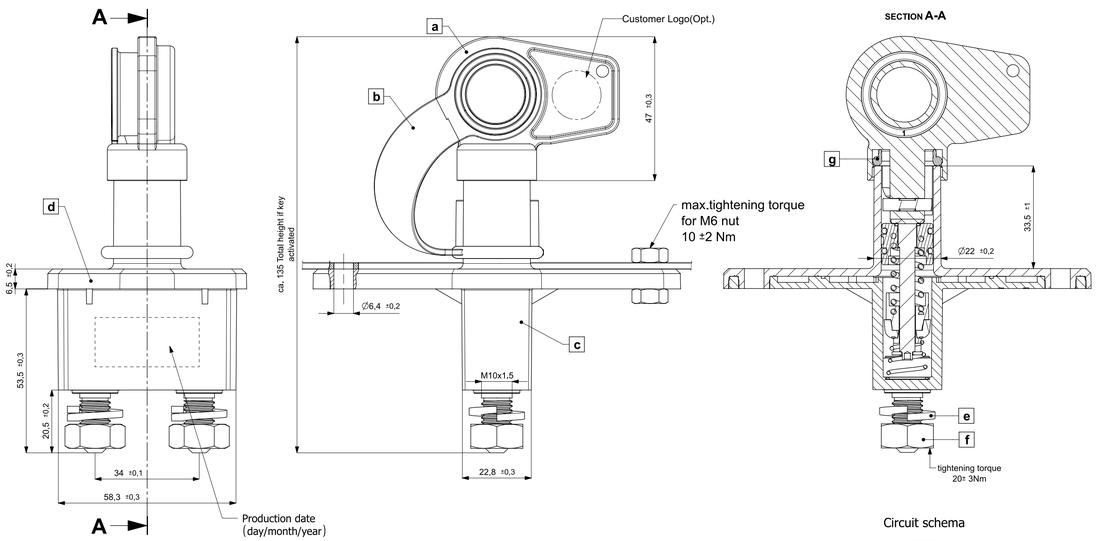
ORDERING SCHEME

1	2	3	4	5
___	___	___	___ ___	___

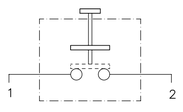
1 _ Battery Separation Switch Type / Mounting Panel Opening
2 _ Electrical Values
3 _ Nut Type
4 _ Accessories
5 _ Key Logo

Ölçü Tanımı / Description of measure	Adet / Number
CC ölç. / CC Dim.	N/A
SC ölç. / SC Dim.	3
Kontrol ölç. / Control Dim.	N/A

Rev. Nr. Rev. Nr.	Konum Section	Tarih Date	İsim Name	Revizyon tanımı Revision description	Takip Nr. Order Nr.
a	N/A	14.05.2007	YBUYUKDERELI	Washer added,Tecnical drawing signed system is revised according to Customer Special Characteristics Table	N/A
b	N/A	20.02.2008	YBUYUKDERELI	Material information changed Washer and Nut.	N/A
c	N/A	21.01.2011	FERHAT TUTAR	Washer and nut material A2 70 XN is added,	N/A
d	N/A	15.11.2017	K.KARABULUT	Technical drawing updated	N/A
e	N/A	07.12.2018	K.KARABULUT	Ordering scheme is updated,Option 4 is updated,Option 5 is added,Lacking types are added in the accessories.	N/A
f	tr4	24.05.2019	K.KARABULUT	Materials of Lock ON+OFF and Lock OFF are updated to PA6+GF30 (UL94 V-0), was PC GF20 (UL94 V-0),	N/A
g	M-N-3	30.03.2023	K.KARABULUT	Lacking types are added in the accessaries,302200130053, 302200130052 and 302200130056, Added new system KAT codes,	N/A
h	C/D-16	15.09.2023	K.KARABULUT	Voltage drop value is updated,	N/A



Circuit schema



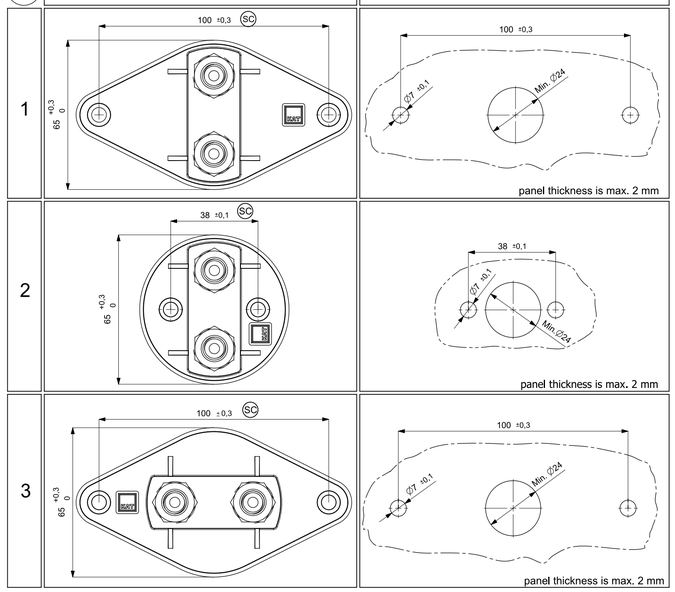
1-2 Battery seperation

* Electrical life : 5000 cycles @50A
* Mechanical life : 10000 cycles
* Operation temp. : from -40°C to +85°C
* Key torque : max.1,6Nm
* Total operation angle : 103° ± 2°
* IP Protection class : IP69K

Item	Designation	Material	Color	Weight (g)
a/a*	Key (Std./ Lockable opt.)	PA6 GF30	Red	18,2 / 22
b	Protection cap	PVC	Black	9.4
c	Base (Oval/Round)	PC GF20 (UL94 V-0)	Grey	95.3 / 89.75
d	Body (Oval/Round)	PC GF20 (UL94 V-0)	Black	26.7 / 19.8
e	Washer (DIN 127)	A2-60/70 XN	N/A	2.3
f	Nut	A2-60/70 XN	N/A	9.9
g	O-ring	NBR	N/A	6,1
h	Lock ON-OFF	PA6 GF30 (UL94 V-0)	Black	17.6
i	Lock OFF	PA6 GF30 (UL94 V-0)	Black	16.1

Delivery Volume		
Item	Designation	Number
1	Battery Separation Switch	1
2	Key	1
3	Protection cap	1
4	Washer	2
5	Nut	2 or 4 (Optional)

1 BATTERY SEPARATION SWITCH TYPE / MOUNTING PANEL OPENING



* Product fulfills requirements best when it is mounted underneath panel.

2 ELECTRICAL VALUES

A — (WITH ACTIVATION UNDER LOAD)

Max.Voltage	: 24V
Continuous load	: 250A
Short term	: 2500A for 5 sec.
Can be activated	: max.50 times under load 250A
Voltage drop	: max.50 mV under 250A
Connection bolt material	: CuZn39+Ag plated (3 micron)
Contact material	: AgCu3
Connection bridge material	: Cu+Ag plated (3 micron)

B — (WITHOUT ACTIVATION UNDER LOAD)

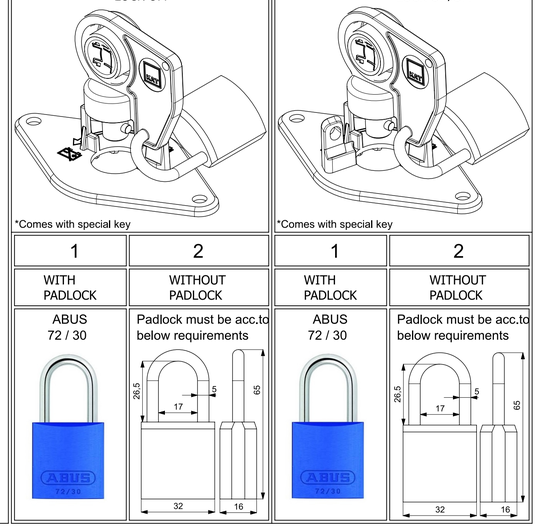
Max.Voltage	: 24V
Continuous load	: 250A
Short term	: 2000A for 5 sec.
Voltage drop	: max.100 mV under 250A
Connection bolt material	: CuZn39
Contact material	: Cu
Connection bridge material	: Cu

3 NUT TYPE

	NUT TYPE	Quant.
1	(DIN 934)	2
2	(DIN 439)	4

4 ACCESSORIES

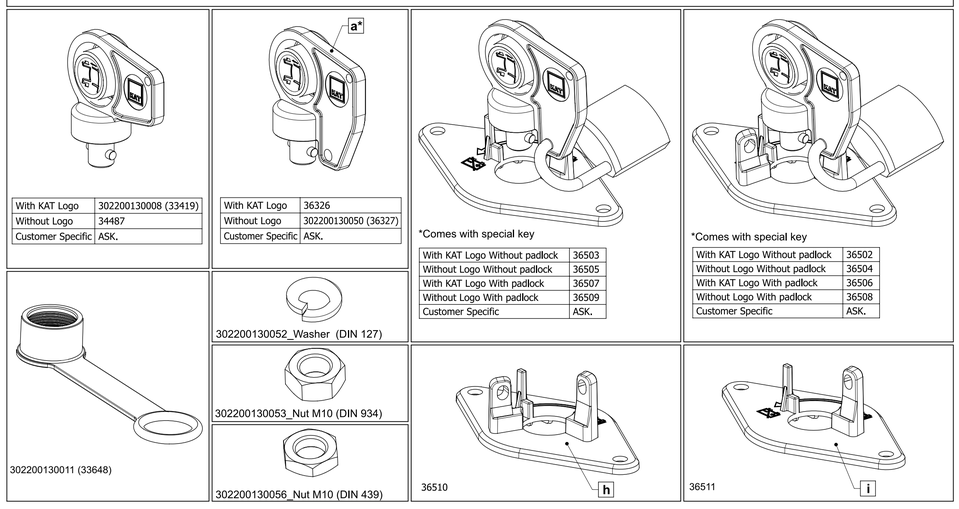
A	B	C
NO LOCK	LOCK OFF	LOCK ON/OFF
	*Comes with special key	*Comes with special key
	1 — WITH PADLOCK: ABUS 72 / 30	1 — WITH PADLOCK: ABUS 72 / 30
	2 — WITHOUT PADLOCK: Padlock must be acc.to below requirements	2 — WITHOUT PADLOCK: Padlock must be acc.to below requirements



5 KEY LOGO

1	Without Logo
2	With KAT Logo
3	Customer Specific

SPARE PARTS



With KAT Logo	302200130008 (33419)
Without Logo	34487
Customer Specific	ASK.

With KAT Logo	36326
Without Logo	302200130050 (36327)
Customer Specific	ASK.

*Comes with special key

With KAT Logo Without padlock	36503
Without Logo Without padlock	36505
With KAT Logo With padlock	36507
Without Logo With padlock	36509
Customer Specific	ASK.

*Comes with special key

With KAT Logo Without padlock	36502
Without Logo Without padlock	36504
With KAT Logo With padlock	36506
Without Logo With padlock	36508
Customer Specific	ASK.

302200130011 (33648)

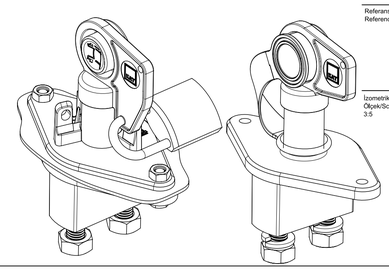
302200130052_Washer (DIN 127)

302200130053_Nut M10 (DIN 934)

302200130056_Nut M10 (DIN 439)

36510

36511



İzometrik görünüş / Isometric view
Ölçek/Scale
3:5

Parça Durumu / Part Status	Seri / Series

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CAD sistemi ve yönetim kodu/CAD system and administration code	SIEMENS NX (*.prt)
Malzeme / SAP kod / Markalama kodu Material / SAP code /Part marking code	See the table
Renk / Color	See the table
Ağırlık (g) / Weight	See the table
Çekme mukavemeti (N/mm²)/Tensile strength	N/A
Sertlik (HV)/Hardness	N/A
Kaplama malzemesi/Coating material	N/A
Kaplama kalınlığı (µm)/Coating thickness	N/A

	İsim/ Name	Tarih / Date	İmza / Signature	Proje kod Project code
Çizen / Drawn	Kadriye Karabulut	22.03.2007		K13
Tasarım Sorumlusu Responsible design	Canan Toprakhisar	22.03.2007		
Kontrol / Checked	Cem KABAHASANOĞLU	22.03.2007		

Güvenlik Dök. Safety Doc.	N/A
Proje Adı Project Name	BATTERY SEPARATION SWITCH_250A
ISO 128	
Ölçek/Scale	1:1 3:5
Resim No Drawing No	95200130001 (95007)
Boyut Format	A1
Sayfa Sheet	1
Toplam sayfa of	1
Normal ölçülerde belirtilmeyen toleranslar için genel toleranslar General tolerances for nominal dimensions without specified tolerance	ISO 2768

Referanslar
References

Kontrol ölç./ Control dim. ( ) Referans ölçü/Auxiliary dim. * SC * Önemli karakteristik ölçüsü /Significant characteristic dim. * CC * Kritik karakteristik ölçüsü / Critical characteristic dim. *Tüm ölçüler mm cinsindendir./All dimensions are in mm.

KAT MEKATRONİK / KAT MECHATRONICS