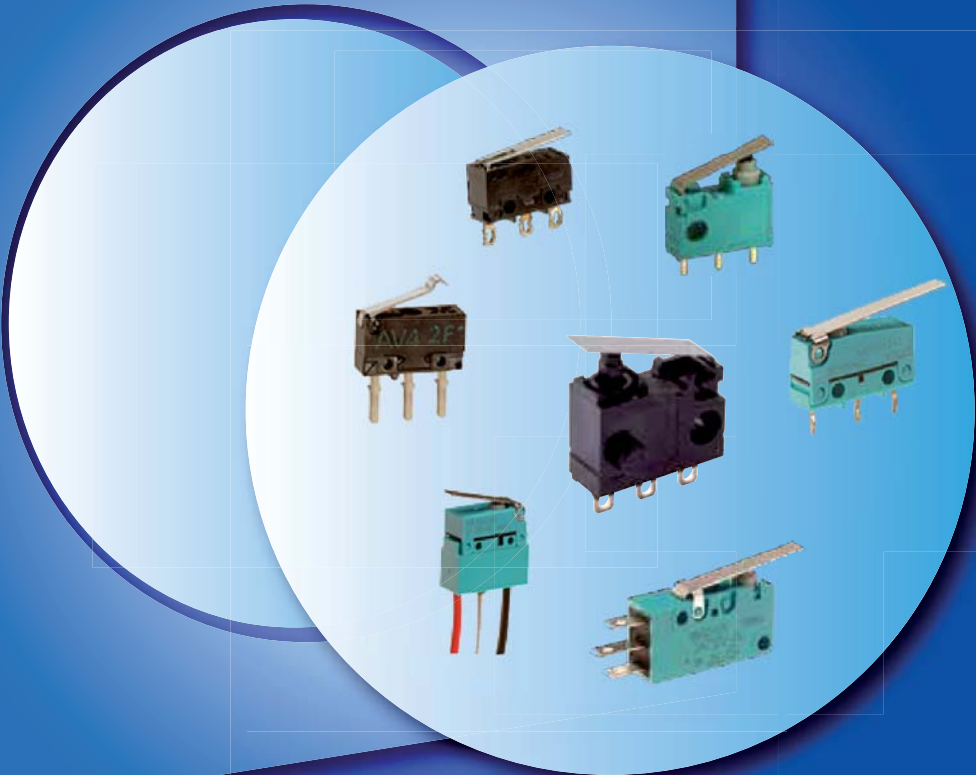


**SWITCHES**

Standard, or solutions customized to fit





**NEW**

**AEQ**

- low switching load  
0.1mA/3VDC
- long stroke
- bounce-free switching

## Ordinary switching...

Development cycles in modern industry are becoming ever shorter and more complex, and they require a high degree of engineering. Components integrated into machines must therefore not only meet the current qualitative and technical standards but must also fulfill functional and application demands. Individual products can often only be integrated after they have been customized.

Panasonic Electric Works has always stood for product innovation – also when it comes to mechanical switches. Our immense portfolio includes switches in all common sizes and with various IP degrees of protection, and are guaranteed to cover all standard requirements. Our switches are characterized by a large switching capacity range, long lifetime and exceptional reliability. A wide selection of supplemental actuators coupled with various terminal styles, e.g. solder, quick connect, PC board terminal and cable connections, maximize flexibility and ease application design.



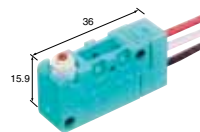
ASQ



ABJ



ABS



ABV



AV4



AH1



AEQ



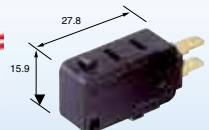
AV3/AVM3/AVT3/AVL3



AV6



AV6



AM5

... or perhaps extraordinary?

In addition, we concentrate on the development and implementation of customer-specific solutions: Does the cable have to be a little bit longer? Or is a pluggable solution necessary? With the engineering know-how at our European manufacturing sites, we guarantee flexible, on-time delivery and provide immediate, on-site technical support.

**In Panasonic quality – naturally.**

## Tailoring equipment



## Application areas for Panasonic switches (examples):



### Automotive

- Seat detection
- Electronic Steering Column Lock (ESCL)
- Door contact switch
- Electronic Parking Brake (EPB)



### Industrial technology

- Final position switch
- Position recognition
- Air compressor
- Circuit breaker



### Medical technology

- Electrically adjustable hospital bed
- OP table
- Eye diagnostic



### Health care/ Wellness

- Bathtub entrance
- Lady shaver
- Massage device



### Building automation

- Air conditioning
- Heating control
- Jalousie control



### Security engineering

- Manual call point
- Break-in detection system
- Lock monitoring

## References

Panasonic switches are used by:

WMF AG  
Honeywell Security Deutschland  
Kaba Mauer GmbH  
Robert Bosch GmbH

fischer automotive systems GmbH  
TRW, Mercedes Benz  
Festo AM GmbH  
Continental Automotive GmbH ...

## List of popular types

Product family	Article number	Degree of protection	Contact material	Switching voltage	Switching current	Mechanical lifetime
ASQ	ASQ10410	IP67	Au-clad	30VDC	100mA	500,000
	ASQ11510	IP67	Au-clad	30VDC	100mA	500,000
	ASQ10710	IP67	Au-clad	30VDC	100mA	500,000
	ASQ10418	IP67	Au-clad	30VDC	100mA	500,000
ABJ	ABJ141260	IP67	Ag alloy	125VAC / 30VDC	2A	1,000,000
	ABJ151261	IP67	Au-clad	125VAC/30VDC	100mA	1,000,000
	ABJ241261	IP67	Au-clad	125VAC/30VDC	100mA	1,000,000
	ABJ151461	IP67	Au-clad	125VAC/30VDC	100mA	1,000,000
ABS	ABS161250	IP67	Ag alloy	250VAC/30VDC	2A	5,000,000
	ABS1110519	IP67	Au-clad	250VAC/30VDC	100mA	5,000,000
	ABS141151	IP67	Au-clad	250VAC/30VDC	100mA	5,000,000
	ABS161651	IP67	Au-clad	250VAC/30VDC	100mA	5,000,000
ABV	ABV1215503R	IP67	Ag alloy	250VAC/30VDC	5A	5,000,000
	ABV1610513	IP67	Au-clad	250VAC/30VDC	3A	5,000,000
	ABV1210503	IP67	Au-clad	250VAC/30VDC	3A	5,000,000
	ABV1612503	IP67	Au-clad	250VAC/30VDC	3A	5,000,000
AEQ	AEQ11517	IP40	Au-clad	3VDC - 30VDC	100mA	200,000
	AEQ10410	IP40	Au-clad	3VDC - 30VDC	100mA	200,000
	AEQ10418	IP40	Au-clad	3VDC - 30VDC	100mA	200,000
	AEQ11510	IP40	Au-clad	3VDC - 30VDC	100mA	200,000
AV4	AV4524	IP40	Ag alloy	30VDC	500mA	300,000
	AV462461	IP40	Au-clad	30VDC	100mA	300,000
	AV440461	IP40	Au-clad	30VDC	100mA	300,000
	AV402461	IP40	Au-clad	30VDC	100mA	300,000
AH1	AH16829A	IP40	Ag alloy	125VAC/30VDC	3A	1,000,000
	AH146261A	IP40	Au-clad	125VAC/30VDC	100mA	500,000
	AH1862619A	IP40	Au-clad	125VAC/30VDC	100mA	500,000
	AH148261A	IP40	Au-clad	125VAC/30VDC	100mA	1,000,000
AV3/AVL3/ AVT3/AVM3	AVL32053A	IP40	Ag alloy	250VAC/30VDC	5A	30,000,000
	AVL3835A	IP40	Ag alloy	250VAC/30VDC	5A	30,000,000
	AVM34353A	IP40	Ag alloy	250VAC/30VDC	5A	30,000,000
	AVT3204A	IP40	Ag alloy	250VAC/30VDC	3A	500,000
	AVT32023A	IP40	Ag alloy	250VAC/30VDC	3A	500,000
	AV3232613A	IP40	Au-clad	250VAC/30VDC	100mA	500,000
	AVM3435613A	IP40	Au-clad	250VAC/30VDC	100mA	30,000,000
AVT3222613A	IP40	Au-clad	250VAC/30VDC	100mA	500,000	
AV6	AV62521264-A	IP40	Au-clad	30VDC	100mA	500,000
	AV634264-A	IP40	Au-clad	30VDC	100mA	500,000
	AV63521264-A	IP40	Au-clad	30VDC	100mA	500,000
	AV620564	IP40	Au-clad	30VDC	100mA	500,000
AM5	AM51610A53NAT	IP40	Ag alloy	250VAC / 125VDC	16A	10,000,000
	AM51113C43NA	IP40	Ag alloy	250VAC / 125VDC	11A	10,000,000
	AM50613C33A	IP40	Ag alloy	250VAC / 125VDC	6A	10,000,000
	AM50010C53AT	IP40	Au-clad	250VAC/30VDC	100mA	10,000,000

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Europe

Asia Pacific

China

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## Panasonic Electric Works

Please contact our Global Sales Companies in:

Europe		
▶ <b>Headquarters</b>	<b>Panasonic Electric Works Europe AG</b>	Rudolf-Diesel-Ring 2, 83607 Holzkirchen, Tel. +49 (0) 8024 648-0, Fax +49 (0) 8024 648-111, <a href="http://www.panasonic-electric-works.com">www.panasonic-electric-works.com</a>
▶ <b>Austria</b>	<b>Panasonic Electric Works Austria GmbH</b>	Josef Madersperger Str. 2, 2362 Biedermannsdorf, Tel. +43 (0) 2236-26846, Fax +43 (0) 2236-46133 <a href="http://www.panasonic-electric-works.at">www.panasonic-electric-works.at</a>
	<b>PEW Electronic Materials Europe GmbH</b>	Ennsafenstraße 30, 4470 Enns, Tel. +43 (0) 7223 883, Fax +43 (0) 7223 88333, <a href="http://www.panasonic-electronic-materials.com">www.panasonic-electronic-materials.com</a>
▶ <b>Benelux</b>	<b>Panasonic Electric Works Sales Western Europe B.V.</b>	De Rijn 4, (Postbus 211), 5684 PJ Best, (5680 AE Best), Netherlands, Tel. +31 (0) 499 372727, Fax +31 (0) 499 372185, <a href="http://www.panasonic-electric-works.nl">www.panasonic-electric-works.nl</a>
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▶ <b>France</b>	<b>Panasonic Electric Works Sales Western Europe B.V.</b>	Succursale française, 10, rue des petits ruisseaux, 91370 Verrières Le Buissou, Tél. +33 (0) 1 6013 5757, Fax +33 (0) 1 6013 5758, <a href="http://www.panasonic-electric-works.fr">www.panasonic-electric-works.fr</a>
▶ <b>Germany</b>	<b>Panasonic Electric Works Europe AG</b>	Rudolf-Diesel-Ring 2, 83607 Holzkirchen, Tel. +49 (0) 8024 648-0, Fax +49 (0) 8024 648-111, <a href="http://www.panasonic-electric-works.de">www.panasonic-electric-works.de</a>
▶ <b>Hungary</b>	<b>Panasonic Electric Works Europe AG</b>	Magyarországi Közvetlen Kereskedelmi Képviselet, 1117 Budapest, Neumann János u. 1., Tel. +36 1 999 89 26 <a href="http://www.panasonic-electric-works.hu">www.panasonic-electric-works.hu</a>
▶ <b>Ireland</b>	<b>Panasonic Electric Works UK Ltd.</b>	Irish Branch Office, Dublin, Tel. +353 (0) 14600969, Fax +353 (0) 14601131, <a href="http://www.panasonic-electric-works.co.uk">www.panasonic-electric-works.co.uk</a>
▶ <b>Italy</b>	<b>Panasonic Electric Works Italia srl</b>	Via del Commercio 3-5 (Z.I. Ferlina), 37012 Bussolengo (VR), Tel. +39 (0) 456752711, Fax +39 (0) 456700444, <a href="http://www.panasonic-electric-works.it">www.panasonic-electric-works.it</a>
▶ <b>Nordic Countries</b>	<b>Panasonic Electric Works Nordic AB</b>	Knarramäsgatan 15, 164 40 Kista, Sweden, Tel. +46 859476680, Fax +46 859476690, <a href="http://www.panasonic-electric-works.se">www.panasonic-electric-works.se</a>
▶ <b>Poland</b>	<b>Panasonic Electric Works Polska sp. z o.o.</b>	Jungmangsgatan 12, 21119 Malmö, Tel. +46 40 697 7000, Fax +46 40 697 7099, <a href="http://www.panasonic-fire-security.com">www.panasonic-fire-security.com</a>
▶ <b>Portugal</b>	<b>Panasonic Electric Works España S.A.</b>	u.l. Wołoska 9A, 02-583 Warszawa, Tel. +48 (0) 22 338-11-33, Fax +48 (0) 22 338-12-00, <a href="http://www.panasonic-electric-works.pl">www.panasonic-electric-works.pl</a>
▶ <b>Spain</b>	<b>Panasonic Electric Works España S.A.</b>	Portuguese Branch Office, Avda Adelino Amaro da Costa 728 R/C J, 2750-277 Cascais, Tel. +351 214812520, Fax +351 214812529
▶ <b>Switzerland</b>	<b>Panasonic Electric Works Schweiz AG</b>	Barajas Park, San Severo 20, 28042 Madrid, Tel. +34 913293875, Fax +34 913292976, <a href="http://www.panasonic-electric-works.es">www.panasonic-electric-works.es</a>
▶ <b>United Kingdom</b>	<b>Panasonic Electric Works UK Ltd.</b>	Grundstrasse 8, 6343 Roltkreuz, Tel. +41 (0) 41 7997050, Fax +41 (0) 41 7997055, <a href="http://www.panasonic-electric-works.ch">www.panasonic-electric-works.ch</a>
		Sunrise Parkway, Linford Wood, Milton Keynes, MK14 6 LF, Tel. +44 (0) 1908 231555, Fax +44 (0) 1908 231599, <a href="http://www.panasonic-electric-works.co.uk">www.panasonic-electric-works.co.uk</a>
North & South America		
▶ <b>USA</b>	<b>PEW Corporation of America</b>	629 Central Avenue, New Providence, N.J. 07974, Tel. 1-908-464-3550, Fax 1-908-464-8513, <a href="http://www.pewa.panasonic.com">www.pewa.panasonic.com</a>
Asia Pacific/China/Japan		
▶ <b>China</b>	<b>Panasonic Electric Works (China) Co., Ltd.</b>	Level 2, Tower W3, The Towers Oriental Plaza, No. 2, East Chang An Ave., Dong Cheng District, Beijing 100738, Tel. (010) 5925-5988, Fax (010) 5925-5973
▶ <b>Hong Kong</b>	<b>Panasonic Electric Works (Hong Kong) Co., Ltd.</b>	RM1205-9, 12/F, Tower 2, The Gateway, 25 Canton Road, Tsimshatsui, Kowloon, Hong Kong, Tel. (0852) 2956-3118, Fax (0852) 2956-0398
▶ <b>Japan</b>	<b>Panasonic Electric Works Co., Ltd.</b>	1048 Kadoma, Kadoma-shi, Osaka 571-8686, Japan, Tel. (06) 6908-1050, Fax (06) 6908-5781, <a href="http://panasonic-electric-works.net">http://panasonic-electric-works.net</a>
▶ <b>Singapore</b>	<b>Panasonic Electric Works Asia Pacific Pte. Ltd.</b>	101 Thomson Road, #25-03/05, United Square, Singapore 307591, Tel. (66255) 5473, Fax (66253) 5689