

The PRV and PPV marshalling- and potential distribution terminal blocks



The affordable and space-saving method for signal distribution and routing

Today's control systems are becoming increasingly more complex with higher and higher demands for the monitoring and capturing of operational data. These demands have resulted in a relentless growth in the number of field measuring devices. These trends pose new challenges to engineers.

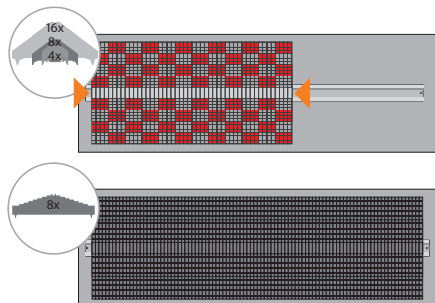
On one hand, the additional signals for the automation need to be connected and processed. On the other hand this means using up more space and increased costs.

These challenges can be simply dealt with using Weidmüller's new marshalling and distribution terminals. The PRV, with its PUSH IN wire connection, is the most compact marshalling terminal worldwide.

Amazing space saving

In comparison to conventional multi-tier terminals, the new marshalling- and potential distribution terminal blocks have a higher contact density.

Up to 50 % less space is used in the electrical cabinet with the optimised PRV design.

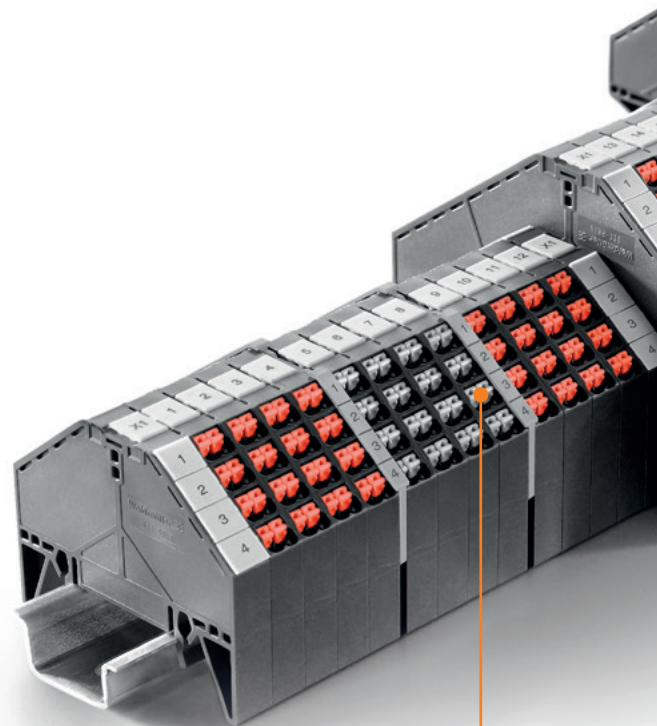


Optimal orientation

Colour coding on the terminals provides for easy assignment of signals and clarity during extension work or maintenance.

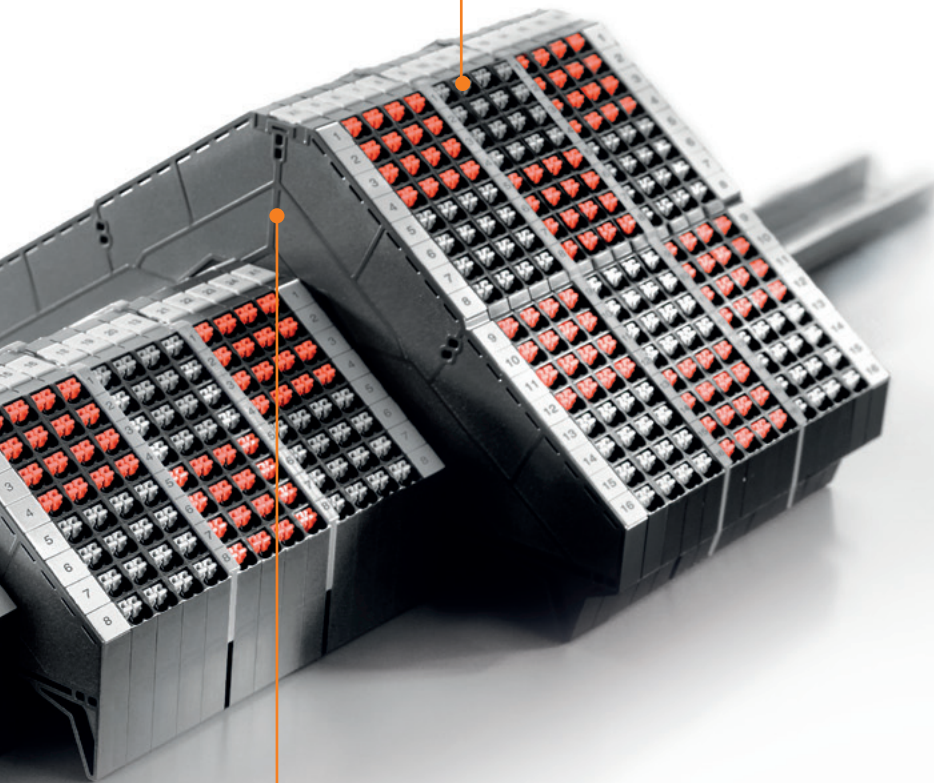
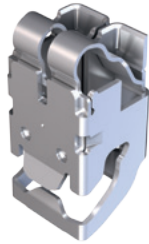


2012



Compact and redundant

The PUSH IN double connection offers redundant connection, taking up minimal space.



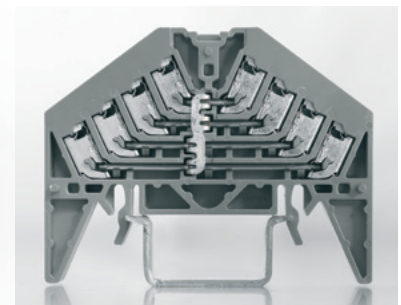
Low contact resistance

The busbar's unique V-shape allows for varying expansion of materials and ensures low contact resistances.



PPV power distribution terminal

For simple and safe potential distribution, the four-level and eight-level marshalling terminals are also available as potential distribution terminals.



PUSH IN

Simple – The stripped wire is simply inserted into the terminal point, and a reliable, vibration proof, gas-tight connection is guaranteed.

Safe – The best designed connection method features high wire extraction forces and vibration resistance.



Marshalling- and potential distribution terminal blocks

PRV

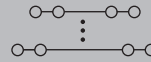
PRV 4 RT

1.5 mm²

NEW



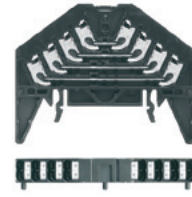
9.2 x 70 x
13 / 1.5
0.2...1.5



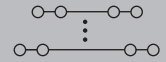
PRV 4 WS

1.5 mm²

NEW



9.2 x 70 x
13 / 1.5
0.2...1.5



In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/Height of lowest version	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	Black for TS 35x15
	Blue for TS 35x15
	Black for TS 35x7.5
	Blue for TS 35x7.5
Note	

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	Black for TS 35x15
	Blue for TS 35x15
	Black for TS 35x7.5
	Blue for TS 35x7.5
Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Pluggable cross-connection	
	2-pole

IEC	UL	CSA
250	300 (D)	300 (D)
10	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3		
/ V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		

Type	Qty.	Order No.
PRV 4 SW 35X15 RT	20	1173810000
PRV 4 BL 35X15 RT	20	1267890000
PRV 4 SW 35X7.5 RT	20	1173830000
PRV 4 BL 35X7.5 RT	20	1267900000
RT = red actuators		

Type	Width	Qty.	Order No.
PAP PRV/PPV4 SW	3 mm	10	1173750000
PAP PRV/PPV4 BL	3 mm	10	1268010000
PAP PRV/PPV4 GR	3 mm	10	1211450000
BZT PRV4 SW 35X15	10.2 mm	20	1173590000
BZT PRV4 BL 35X15	10.2 mm	20	1267980000
BZT PRV4 SW 35X7.5	10.2 mm	20	1173600000
BZT PRV4 BL 35X7.5	10.2 mm	20	1267990000
TW PRV4	2 mm	10	1173700000
TW PRV4 0-3	2 mm	10	1230060000
TW PRV4 1-4	2 mm	10	1230050000
TW PRV4 A-D	2 mm	10	1230070000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
current			
SRC-I QV P		10	8870840000

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA
250	300 (D)	300 (D)
10	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3		
/ V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		

Type	Qty.	Order No.
PRV 4 SW 35X15 WS	20	1173820000
PRV 4 BL 35X15 WS	20	1173920000
PRV 4 SW 35X7.5 WS	20	1173840000
PRV 4 BL 35X7.5 WS	20	1173930000
WS = white actuators		

Type	Width	Qty.	Order No.
PAP PRV/PPV4 SW	3 mm	10	1173750000
PAP PRV/PPV4 BL	3 mm	10	1268010000
PAP PRV/PPV4 GR	3 mm	10	1211450000
BZT PRV4 SW 35X15	10.2 mm	20	1173590000
BZT PRV4 BL 35X15	10.2 mm	20	1267980000
BZT PRV4 SW 35X7.5	10.2 mm	20	1173600000
BZT PRV4 BL 35X7.5	10.2 mm	20	1267990000
TW PRV4	2 mm	10	1173700000
TW PRV4 0-3	2 mm	10	1230060000
TW PRV4 1-4	2 mm	10	1230050000
TW PRV4 A-D	2 mm	10	1230070000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
current			
SRC-I QV P		10	8870840000

Identification systems	(see assortment in catalogue 7)
	Marking tags
Note	

WS 7.8/9.2

WS 7.8/9.2

PRV

PRV 8 RT/WS

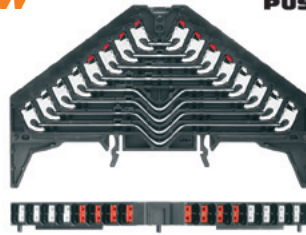
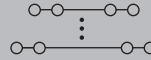
1.5 mm²

PRV 8 WS/RT

1.5 mm²

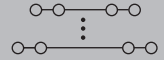
NEW

PUSH IN


9.2 x 120 x
10 / 1.5
0.2...1.5


NEW

PUSH IN


9.2 x 120 x
10 / 1.5
0.2...1.5


In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/Height of lowest version	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA
250	300 (D)	300 (D)
8	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3 / V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		
Note		

IEC 60947-1

IEC	UL	CSA
250	300 (D)	300 (D)
8	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3 / V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		
Note		

Ordering data

Version	
Black for TS 35x15	
Blue for TS 35x15	
Black for TS 35x7.5	
Blue for TS 35x7.5	
Note	

Type	Qty.	Order No.
PRV 8 SW 35X15 RT/WS	20	1173740000
PRV 8 BL 35X15 RT/WS	20	1267830000
PRV 8 SW 35X7.5 RT/WS	20	1173790000
PRV 8 BL 35X7.5 RT/WS	20	1267840000
RT = red actuators WS = white actuators		

Type	Qty.	Order No.
PRV 8 SW 35X15 WS/RT	20	1173780000
PRV 8 BL 35X15 WS/RT	20	1173900000
PRV 8 SW 35X7.5 WS/RT	20	1173800000
PRV 8 BL 35X7.5 WS/RT	20	1173910000
RT = red actuators WS = white actuators		

Accessories

End plate	
black	
blue	
grey	
Marker holder	
Black for TS 35x15	
Blue for TS 35x15	
Black for TS 35x7.5	
Blue for TS 35x7.5	
Partition plate	
Unprinted	
Printed 0...3 or 0...7 or 0...15	
Printed 1...4 or 1...8 or 1...16	
Printed A...D or A...H or A...P	
End bracket	
black	
Screwdriver	
Standard	
Pluggable cross-connection	
2-pole	

Type	Width	Qty.	Order No.
PAP PRV/PPV8 SW	3 mm	10	1173720000
PAP PRV/PPV8 BL	3 mm	10	1268000000
PAP PRV/PPV8 GR	3 mm	10	1211460000
BZT PRV8 SW 35X15	10.2 mm	20	1173570000
BZT PRV8 BL 35X15	10.2 mm	20	1267950000
BZT PRV8 SW 35X7.5	10.2 mm	20	1173580000
BZT PRV8 BL 35X7.5	10.2 mm	20	1267970000
TW PRV8	2 mm	10	1173670000
TW PRV8 0-7	2 mm	10	1230090000
TW PRV8 1-8	2 mm	10	1230080000
TW PRV8 A-H	2 mm	10	1230110000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

Type	Width	Qty.	Order No.
PAP PRV/PPV8 SW	3 mm	10	1173720000
PAP PRV/PPV8 BL	3 mm	10	1268000000
PAP PRV/PPV8 GR	3 mm	10	1211460000
BZT PRV8 SW 35X15	10.2 mm	20	1173570000
BZT PRV8 BL 35X15	10.2 mm	20	1267950000
BZT PRV8 SW 35X7.5	10.2 mm	20	1173580000
BZT PRV8 BL 35X7.5	10.2 mm	20	1267970000
TW PRV8	2 mm	10	1173670000
TW PRV8 0-7	2 mm	10	1230090000
TW PRV8 1-8	2 mm	10	1230080000
TW PRV8 A-H	2 mm	10	1230110000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

Identification systems	(see assortment in catalogue 7)
Marking tags	
Note	

Identification systems	(see assortment in catalogue 7)
Marking tags	
Note	

Identification systems	(see assortment in catalogue 7)
Marking tags	
Note	

Marshalling- and potential distribution terminal blocks

PRV

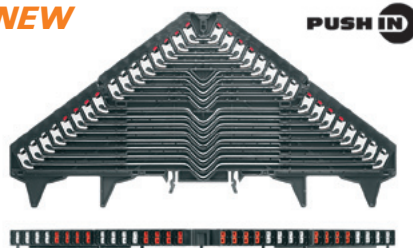
PRV 16 RT/WS

1.5 mm²

PRV 16 WS/RT

1.5 mm²

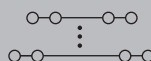
NEW



9.2 x 225 x

11 / 1.5

0.2...1.5



IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA
250	300 (D)	300 (D)
6	1 (D)	1 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3 / V-0		



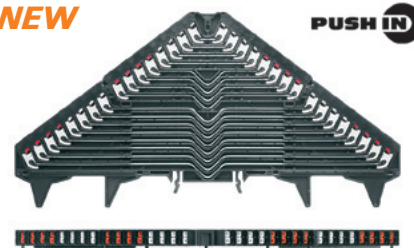
Rated connection

0.2...1.5 / 0.2...1.5

0.2...1.5 / 0.2...1.5

10 / 0.6 x 3.5 mm

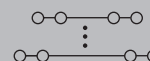
NEW



9.2 x 225 x

11 / 1.5

0.2...1.5



IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA
250	300 (D)	300 (D)
6	1 (D)	1 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3 / V-0		



Rated connection

0.2...1.5 / 0.2...1.5

0.2...1.5 / 0.2...1.5

10 / 0.6 x 3.5 mm

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/Height of lowest version	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	Black for TS 35x15
	Blue for TS 35x15
	Black for TS 35x7.5
	Blue for TS 35x7.5

Note

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	Black for TS 35x15
	Blue for TS 35x15
	Black for TS 35x7.5
	Blue for TS 35x7.5
Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Pluggable cross-connection	
	2-pole

Type	Qty.	Order No.
PRV 16 SW 35X15 RT/WS	20	1173620000
PRV 16 BL 35X15 RT/WS	20	1267790000
PRV 16 SW 35X7.5 RT/WS	20	1173680000
PRV 16 BL 35X7.5 RT/WS	20	1267810000

RT = red actuators
WS = white actuators

Type	Width	Qty.	Order No.
BZT PRV16 SW 35X15	10.2 mm	20	1173540000
BZT PRV16 BL 35X15	10.2 mm	20	1267930000
BZT PRV16 SW 35X7.5	10.2 mm	20	1173550000
BZT PRV16 BL 35X7.5	10.2 mm	20	1267940000
TW PRV16	2 mm	10	1173630000
TW PRV16 0-15	2 mm	10	1230130000
TW PRV16 1-16	2 mm	10	1230120000
TW PRV16 A-P	2 mm	10	1230140000
WEW 35/1 SW	12 mm	50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

current

current

Type	Qty.	Order No.
PRV 16 SW 35X15 WS/RT	20	1173650000
PRV 16 BL 35X15 WS/RT	20	1267800000
PRV 16 SW 35X7.5 WS/RT	20	1173710000
PRV 16 BL 35X7.5 WS/RT	20	1267820000

RT = red actuators
WS = white actuators

Type	Width	Qty.	Order No.
BZT PRV16 SW 35X15	10.2 mm	20	1173540000
BZT PRV16 BL 35X15	10.2 mm	20	1267930000
BZT PRV16 SW 35X7.5	10.2 mm	20	1173550000
BZT PRV16 BL 35X7.5	10.2 mm	20	1267940000
TW PRV16	2 mm	10	1173630000
TW PRV16 0-15	2 mm	10	1230130000
TW PRV16 1-16	2 mm	10	1230120000
TW PRV16 A-P	2 mm	10	1230140000
WEW 35/1 SW	12 mm	50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

current

current

Identification systems (see assortment in catalogue 7)

Marking tags

Note

WS 7.8/9.2

WS 7.8/9.2

PPV

PPV 4

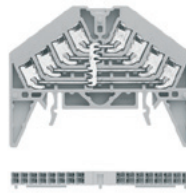
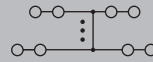
1.5 mm²

PPV 8

1.5 mm²

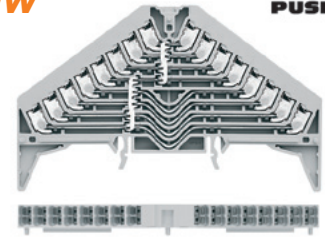
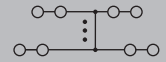
NEW

PUSH IN


9.2 x 70 x
/ 1.5
0.2...1.5


NEW

PUSH IN


9.2 x 120 x
/ 1.5
0.2...1.5


In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/Height of lowest version	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
Blue for TS 35x15	
Grey for TS 35x15	
Blue for TS 35x7.5	
Grey for TS 35x7.5	

Note

Accessories

End plate	
black	
blue	
grey	
Marker holder	
Black for TS 35x15	
Blue for TS 35x15	
Black for TS 35x7.5	
Blue for TS 35x7.5	
Partition plate	
Unprinted	
Printed 0...3 or 0...7 or 0...15	
Printed 1...4 or 1...8 or 1...16	
Printed A...D or A...H or A...P	
End bracket	
black	
Screwdriver	
Standard	
Pluggable cross-connection	
2-pole	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA
250	300 (D)	300 (D)
17.5	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3		
/ V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		

Type	Qty.	Order No.
PPV 4 BL 35X15 DGR	20	1267910000
PPV 4 GR 35X15 DGR	20	1173880000
PPV 4 BL 35X7.5 DGR	20	1267920000
PPV 4 GR 35X7.5 DGR	20	1173890000

DRG = dark grey actuators

Type	Width	Qty.	Order No.
PAP PRV/PPV4 SW	3 mm	10	1173750000
PAP PRV/PPV4 BL	3 mm	10	1268010000
PAP PRV/PPV4 GR	3 mm	10	1211450000
BZT PRV4 SW 35X15	10.2 mm	20	1173590000
BZT PRV4 BL 35X15	10.2 mm	20	1267980000
BZT PRV4 SW 35X7.5	10.2 mm	20	1173600000
BZT PRV4 BL 35X7.5	10.2 mm	20	1267990000
TW PRV4	2 mm	10	1173700000
TW PRV4 0-3	2 mm	10	1230060000
TW PRV4 1-4	2 mm	10	1230050000
TW PRV4 A-D	2 mm	10	1230070000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

IEC	UL	CSA
250	300 (D)	300 (D)
17.5	10 (D)	10 (D)
1.5	AWG 26...16	AWG 26...16
4 kV / 3		
/ V-0		
Rated connection		
0.2...1.5 / 0.2...1.5		
0.2...1.5 / 0.2...1.5		
10 / 0.6 x 3.5 mm		

Type	Qty.	Order No.
PPV 8 BL 35X15 DGR	20	1267870000
PPV 8 GR 35X15 DGR	20	1173850000
PPV 8 BL 35X7.5 DGR	20	1267880000
PPV 8 GR 35X7.5 DGR	20	1173870000

DRG = dark grey actuators

Type	Width	Qty.	Order No.
PAP PRV/PPV8 SW	3 mm	10	1173720000
PAP PRV/PPV8 BL	3 mm	10	1268000000
PAP PRV/PPV8 GR	3 mm	10	1211460000
BZT PRV8 SW 35X15	10.2 mm	20	1173570000
BZT PRV8 BL 35X15	10.2 mm	20	1267950000
BZT PRV8 SW 35X7.5	10.2 mm	20	1173580000
BZT PRV8 BL 35X7.5	10.2 mm	20	1267970000
TW PRV8	2 mm	10	1173670000
TW PRV8 0-7	2 mm	10	1230090000
TW PRV8 1-8	2 mm	10	1230080000
TW PRV8 A-H	2 mm	10	1230110000
ZEW 35/2 SW	8 mm	20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000

Identification systems (see assortment in catalogue 7)

Marking tags

Note

WS 7.8/9.2

WS 7.8/9.2

16 level terminals with
Pushers in white and red
PRV 16 SW 35X7.5 WS/RT

Marker
WS7.8/9.2 PLUS MC GR

16 level terminals with
Pushers in red and white
PRV 16 SW 35X7.5 RT/WS

End bracket in black
WEW 35/1 SW

Mounting rail
Type TS35, 7.5 mm high

Printed partition plate
TW PRV 1-16

Marker carrier BZT PRV 16 SW 35X7.5
Marker WS7.8/9.2 PLUS MC GR

Technical data

Partition plate	Type	Order No.
unprinted	TW PRV4	1173700000
unprinted	TW PRV8	1173670000
unprinted	TW PRV16	1173630000
printed 0...3	TW PRV4 0-3	1230060000
printed 0...7	TW PRV8 0-7	1230090000
printed 0...15	TW PRV16 0-15	1230130000
printed 1...4	TW PRV4 1-4	1230050000
printed 1...8	TW PRV8 1-8	1230080000
printed 1...16	TW PRV16 1-16	1230120000
printed A...D	TW PRV4 A-D	1230070000
printed A...H	TW PRV8 A-H	1230110000
printed A...P	TW PRV16 A-P	1230140000