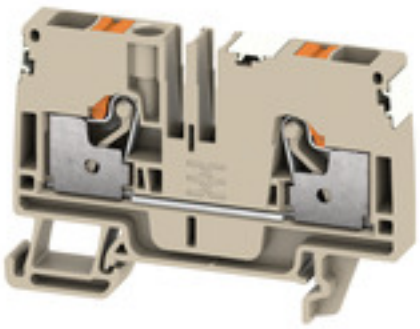
A2C 6 DL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Spring connection with PUSH IN Technology
The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

Version	Feed-through terminal, PUSH IN, 6 mm², 800 V, 41 A, dark beige
Order No.	2674870000
Type	A2C 6 DL
GTIN (EAN)	4050118817386
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.791 inch
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.618 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	16.98 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	37 A
Wire cross section max. (ATEX)	6 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	37 A	Wire cross section max. (IECEX)	6 mm²

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of potentials per tier	1
Levels cross-connected internally	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Open sides	right

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, max.	10 mm²
Clamping range, min.	0.34 mm²
Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.5 mm²
Gauge to IEC 60947-1	A5
Number of connections	2
Stripping length	12 mm

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Technical data

Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	1.5 mm²
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Type of connection	PUSH IN		
Wire connection cross section AWG, max.	AWG 8		
Wire connection cross section AWG, min.	AWG 22		
Wire connection cross section, finely stranded, max.	10 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²		

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22

Rating data

Rated cross-section	6 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	8 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	22 AWG	Current size B (cURus)	38 A
Current size C (cURus)	38 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 V
Voltage size D (cURus)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

Environmental Product Compliance

REACH SVHC	/

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity UKCA Ex Certificate 20-AV4BO-0269U CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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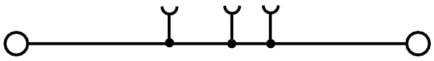
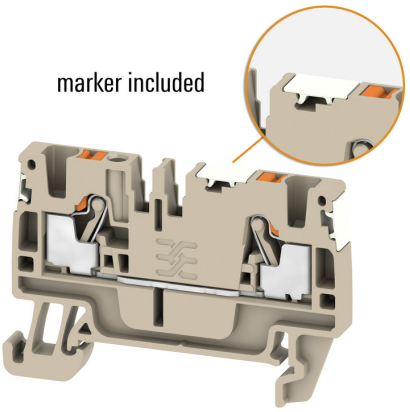
Drawings





A2C 6 DL

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Accessories

A-Series

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	ATPG 1.5-10 L	Version
Order No.	1991890000	Test adapter (terminal), 1.5 mm², 250 V, 0.2 A
GTIN (EAN)	4050118376647	
Qty.	50 pc(s).	

Type	ATPG 6 MI-R	Version
Order No.	1991930000	Test adapter (terminal), 1.5 mm², 250 V, 0.2 A
GTIN (EAN)	4050118376555	
Qty.	50 pc(s).	

Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

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Accessories

6 mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 6N/3 BL	Version
Order No.	1985840000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118370379	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	60 pc(s).	
Type	ZQV 6N/4 BL	Version
Order No.	1985850000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118370447	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	60 pc(s).	
Type	ZQV 6N/3	Version
Order No.	1985760000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118370263	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	60 pc(s).	
Type	ZQV 6N/10	Version
Order No.	2733970000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4064675066811	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	20 pc(s).	
Type	ZQV 6N/2	Version
Order No.	1985740000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118370362	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	60 pc(s).	
Type	ZQV 6N/7	Version
Order No.	2733960000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4064675066804	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	20 pc(s).	
Type	ZQV 6N/6 BL	Version
Order No.	2786890000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4064675064572	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	20 pc(s).	
Type	ZQV 6N/7 BL	Version
Order No.	2786900000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4064675064596	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	20 pc(s).	
Type	ZQV 6N/2 BL	Version
Order No.	1985830000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118370232	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	60 pc(s).	
Type	ZQV 6N/4	Version
Order No.	1985780000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118370287	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	60 pc(s).	

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Accessories

Type	ZQV 6N/6	Version
Order No.	2733950000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4064675066699	(P): 8.00, Insulated: Yes, 41 A, orange
Qty.	20 pc(s).	

Type	ZQV 6N/10 BL	Version
Order No.	2786910000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4064675064602	(P): 8.00, Insulated: Yes, 41 A, blue
Qty.	20 pc(s).	

6 mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	AEP 2C 6 OR	Version
Order No.	2052520000	A-series, End plate
GTIN (EAN)	4050118412123	
Qty.	50 pc(s).	

Type	AEP 2C 6	Version
Order No.	1991970000	A-series, End plate
GTIN (EAN)	4050118376692	
Qty.	50 pc(s).	

Type	AEP 2C 6 BL	Version
Order No.	1991950000	A-series, End plate
GTIN (EAN)	4050118376739	
Qty.	50 pc(s).	

A2C 6 DL

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Accessories

Test plugs

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	ZS 2.3/4	Version
Order No.	0249600000	Plug (terminal), Plug-in connection, Number of poles: 4, red
GTIN (EAN)	4008190022785	
Qty.	20 pc(s).	

Custom printing

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	

Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	

A2C 6 DL

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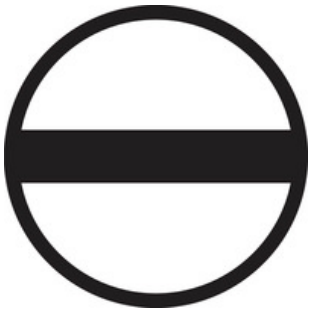
Accessories

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade
GTIN (EAN)	4050118895605	thickness (A): 1 mm
Qty.	1 pc(s).	

A-Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	APP 2	Version
Order No.	2489090000	A-series, Partition plate
GTIN (EAN)	4050118499308	
Qty.	50 pc(s).	

A2C 6 DL

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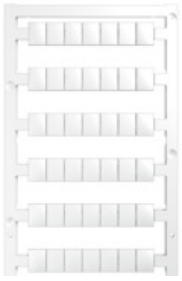
Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.
WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.
- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/8 PLUS MC NE WS	Version
Order No.	1905950000	WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528103	white
Qty.	420 pc(s).	

Digital current clamp devices

Digital current clamp devices and attachments and adapters are used for measuring AC and DC currents. The significant advantage of these devices is that you can make a measurement without breaking the flow of current.

General ordering data

Type	ZUB MULTIMETER	Version
Order No.	9205270000	Multimeter
GTIN (EAN)	4032248723522	
Qty.	1 pc(s).	

A2C 6 DL

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Accessories

DEK 5/8

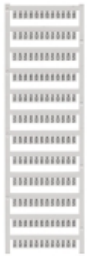
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

Custom printing



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WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/8 PLUS MC SDR	Version
Order No.	1906030000	WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528196	To customer specification
Qty.	84 pc(s).	

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Accessories

A-Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SCL/1 V0 BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0	Version
Order No.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SC/1 BK	Version
Order No.	2475310000	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 pc(s).	
Type	AEB 35 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	

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Accessories

Plus

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Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

A2C 6 DL

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Accessories

WS 8/8

WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS-A 8/8 MM WS	Version
Order No.	2448930000	WS, Terminal marker, 8 x 8.1 mm, Weidmueller, white
GTIN (EAN)	4050118462982	
Qty.	500 pc(s).	

A-Series

Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	AAM 6 YE FLASH	Version
Order No.	2635570000	Terminal marker, 13 x 8.1 mm, Pitch in mm (P): 8.00 yellow
GTIN (EAN)	4050118674514	
Qty.	40 pc(s).	