

Marshalling panel - PTRV 8 /GY

3270140

<https://www.phoenixcontact.com/us/products/3270140>



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Marshalling panel, nom. voltage: 250 V, nominal current: 8 A, connection method: Push-in connection, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 2.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: gray

Your advantages

- Individual color assignment of cable and terminal point to ensure error-free, safe operation
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Tool-free wiring in a confined space thanks to compact size
- The 2.3 mm test connection enables testing between the conductors with test pins commonly used in the industry

Marshalling panel - PTRV 8 /GY

3270140

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Commercial Data

Item number	3270140
Packing unit	1 pc
Minimum order quantity	10 pc
Sales Key	B02
Product Key	BE6211
GTIN	4055626436708
Weight per Piece (including packing)	37.88 g
Weight per Piece (excluding packing)	27.36 g
Customs tariff number	85369010
Country of origin	PL

Marshalling panel - PTRV 8 /GY

3270140

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Technical Data

Product properties

Product type	Marshalling terminal
Number of positions	2
Number of connections	32
Number of rows	8
Potentials	8

Insulation characteristics

Overvoltage category	III
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Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	4
Nominal cross section	1.5 mm ²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level

Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Cross section AWG	26 ... 14
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Nominal current	8 A
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm ² ... 2.5 mm ²
Conductor cross section, solid [AWG]	20 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1.5 mm ²

Dimensions

Width	8.3 mm
Height NS 35/15	95 mm

Marshalling panel - PTRV 8 /GY



3270140

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Height NS 35/7,5	87.5 mm
Length	100 mm

Material specifications

Color	gray
Color of connection elements	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

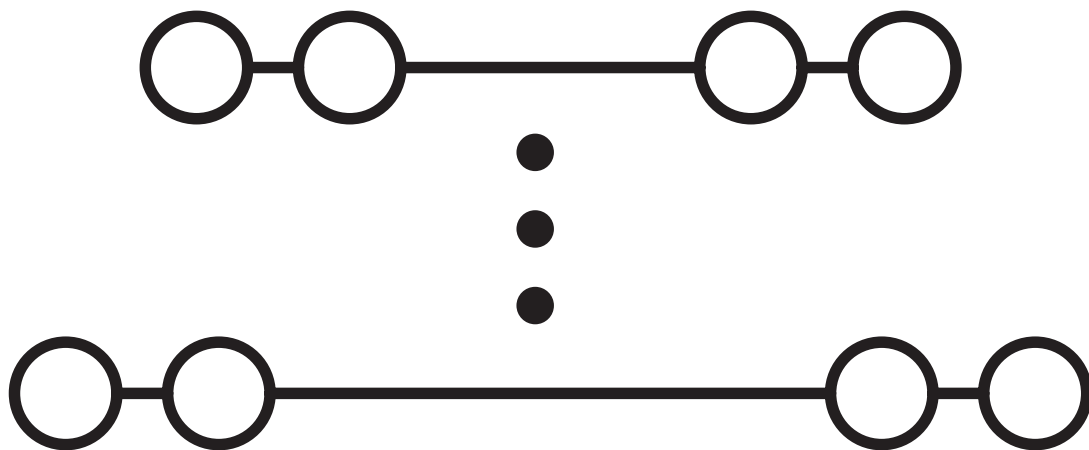
Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	NS 35/7,5
	NS 35/15

Drawings

Circuit diagram



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3270140

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Approvals

DNV

Approval ID: TAE000016Y



CSA

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	300 V	10 A	26 - 14	-
Use group D				
	300 V	10 A	26 - 14	-



IECEE CB Scheme

Approval ID: NL-58817

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	8 A	-	-



EAC

Approval ID: RU C-DE.BL08.B.00682



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group D				
	300 V	10 A	26 - 14	-



KEMA-KEUR

Approval ID: 71-102890

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Only flexible conductors	250 V	8 A	-	0.14 - 1.5
Only rigid conductors	250 V	8 A	-	0.14 - 2.5



EAC

Approval ID: B.01687

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Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897
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UNSPSC

UNSPSC 21.0	
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Screwdriver

Screwdriver - SZF 0-0,4X2,5 - 1204504

<https://www.phoenixcontact.com/us/products/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Reducing plug

Reducing plug - RPS - 0201647

<https://www.phoenixcontact.com/us/products/0201647>



Reducing plug, color: gray

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3270140

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Spacer plate

Spacer plate - DP-PTRV 8 - 3270166

<https://www.phoenixcontact.com/us/products/3270166>



Spacer plate, length: 100 mm, width: 8.3 mm, height: 86 mm, color: gray

Mounting material

Mounting material - PT-IL - 3208090

<https://www.phoenixcontact.com/us/products/3208090>



Operating decal for the push-in Technology

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DIN rail perforated

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

<https://www.phoenixcontact.com/us/products/0801733>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

<https://www.phoenixcontact.com/us/products/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

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3270140

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DIN rail perforated

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

<https://www.phoenixcontact.com/us/products/1206421>

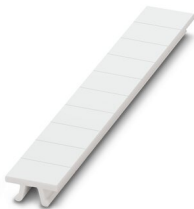


DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Zack marker strip

Zack marker strip - ZB 8,3:UNBEDRUCKT - 0803444

<https://www.phoenixcontact.com/us/products/0803444>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap in, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

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Zack marker strip

Zack marker strip - ZB 8,3,LGS:FORTL.ZAHLEN - 0803480

<https://www.phoenixcontact.com/us/products/0803480>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Zack marker strip

Zack marker strip - ZB 8,3,QR:FORTL.ZAHLEN - 0803479

<https://www.phoenixcontact.com/us/products/0803479>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Marshalling panel - PTRV 8 /GY

3270140

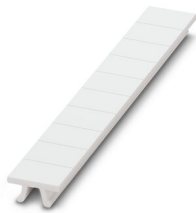
<https://www.phoenixcontact.com/us/products/3270140>



Zack marker strip

Zack marker strip - ZB 8,3 CUS - 8191573

<https://www.phoenixcontact.com/us/products/8191573>



Zack marker strip, Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Actuation tool

Actuation tool - ST-BW 0 - 1200135

<https://www.phoenixcontact.com/us/products/1200135>



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

Marshalling panel - PTRV 8 /GY

3270140

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End clamp

End clamp - CLIPFIX 35 - 3022218

<https://www.phoenixcontact.com/us/products/3022218>



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp

End clamp - CLIPFIX 35-5 - 3022276

<https://www.phoenixcontact.com/us/products/3022276>



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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3270140

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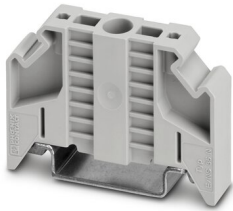


End clamp

End clamp - E/NS 35 N - 0800886

<https://www.phoenixcontact.com/us/products/0800886>

End clamp, width: 9.5 mm, color: gray



End clamp

End clamp - E/UK - 1201442

<https://www.phoenixcontact.com/us/products/1201442>

End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35



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3270140

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End clamp

End clamp - E/UK 1 - 1201413

<https://www.phoenixcontact.com/us/products/1201413>



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

End cover

End cover - D-PTRV 8 WH - 3270154

<https://www.phoenixcontact.com/us/products/3270154>



End cover, length: 100 mm, width: 3.8 mm, height: 80.8 mm, color: white

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End cover

End cover - D-PTRV 8 WH 1-8 - 3270155

<https://www.phoenixcontact.com/us/products/3270155>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 1-8 LGS - 3270240

<https://www.phoenixcontact.com/us/products/3270240>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

Marshalling panel - PTRV 8 /GY

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End cover

End cover - D-PTRV 8 WH 8-1 - 3270242

<https://www.phoenixcontact.com/us/products/3270242>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 8-1 LGS - 3270244

<https://www.phoenixcontact.com/us/products/3270244>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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End cover

End cover - D-PTRV 8 WH 1-16 - 3270228

<https://www.phoenixcontact.com/us/products/3270228>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 1-16 LGS - 3270229

<https://www.phoenixcontact.com/us/products/3270229>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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End cover

End cover - D-PTRV 8 WH 9-16 - 3270211

<https://www.phoenixcontact.com/us/products/3270211>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 9-16 LGS - 3270212

<https://www.phoenixcontact.com/us/products/3270212>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

Marshalling panel - PTRV 8 /GY



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End cover

End cover - D-PTRV 8 WH 17-24 - 3270213

<https://www.phoenixcontact.com/us/products/3270213>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 17-24 LGS - 3270214

<https://www.phoenixcontact.com/us/products/3270214>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

Marshalling panel - PTRV 8 /GY



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End cover

End cover - D-PTRV 8 WH 25-32 - 3270215

<https://www.phoenixcontact.com/us/products/3270215>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH 25-32 LGS - 3270216

<https://www.phoenixcontact.com/us/products/3270216>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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End cover

End cover - D-PTRV 8 WH A-H - 3270156

<https://www.phoenixcontact.com/us/products/3270156>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH A-H LGS - 3270241

<https://www.phoenixcontact.com/us/products/3270241>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

Marshalling panel - PTRV 8 /GY

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End cover

End cover - D-PTRV 8 WH H-A - 3270243

<https://www.phoenixcontact.com/us/products/3270243>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover

End cover - D-PTRV 8 WH H-A LGS - 3270245

<https://www.phoenixcontact.com/us/products/3270245>



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

<https://www.phoenixcontact.com/us/products/0201663>

Insulating sleeve, color: white



Insulating sleeve

Insulating sleeve - MPS-IH RD - 0201676

<https://www.phoenixcontact.com/us/products/0201676>

Insulating sleeve, color: red



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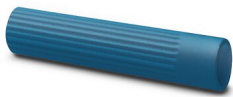


Insulating sleeve

Insulating sleeve - MPS-IH BU - 0201689

<https://www.phoenixcontact.com/us/products/0201689>

Insulating sleeve, color: blue



Insulating sleeve

Insulating sleeve - MPS-IH YE - 0201692

<https://www.phoenixcontact.com/us/products/0201692>

Insulating sleeve, color: yellow



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Insulating sleeve

Insulating sleeve - MPS-IH GN - 0201702

<https://www.phoenixcontact.com/us/products/0201702>

Insulating sleeve, color: green



Insulating sleeve

Insulating sleeve - MPS-IH GY - 0201728

<https://www.phoenixcontact.com/us/products/0201728>

Insulating sleeve, color: gray



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Insulating sleeve

Insulating sleeve - MPS-IH BK - 0201731

<https://www.phoenixcontact.com/us/products/0201731>

Insulating sleeve, color: black



End cap

End cap - NS 35/ 7,5 CAP - 1206560

<https://www.phoenixcontact.com/us/products/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



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3270140

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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

<https://www.phoenixcontact.com/us/products/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/us/products/1204122>



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

Marshalling panel - PTRV 8 /GY



3270140

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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

<https://www.phoenixcontact.com/us/products/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

<https://www.phoenixcontact.com/us/products/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/us/products/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

Test plugs

Test plugs - MPS-MT - 0201744

<https://www.phoenixcontact.com/us/products/0201744>



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

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Marker for terminal blocks

Marker for terminal blocks - TM-PTRV 8,QR:1-8 - 0803468

<https://www.phoenixcontact.com/us/products/0803468>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm, Number of individual labels: 2

Marker for terminal blocks

Marker for terminal blocks - TM-PTRV 8,QR:8-1 - 0803470

<https://www.phoenixcontact.com/us/products/0803470>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm

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3270140

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Marker for terminal blocks

Marker for terminal blocks - TM-PTRV 8,QR:A-H - 0803471

<https://www.phoenixcontact.com/us/products/0803471>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm

Marker for terminal blocks

Marker for terminal blocks - TM-PTRV 8,QR:H-A - 0803473

<https://www.phoenixcontact.com/us/products/0803473>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm, Number of individual labels: 8

Marshalling panel - PTRV 8 /GY

3270140

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Retaining bracket

Retaining bracket - CDC-PTRV - 3270167

<https://www.phoenixcontact.com/us/products/3270167>



Retaining bracket, via four PTRV single modules, pitch: 8.3 mm, width: 35.6 mm, height: 71.5 mm, color: gray

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