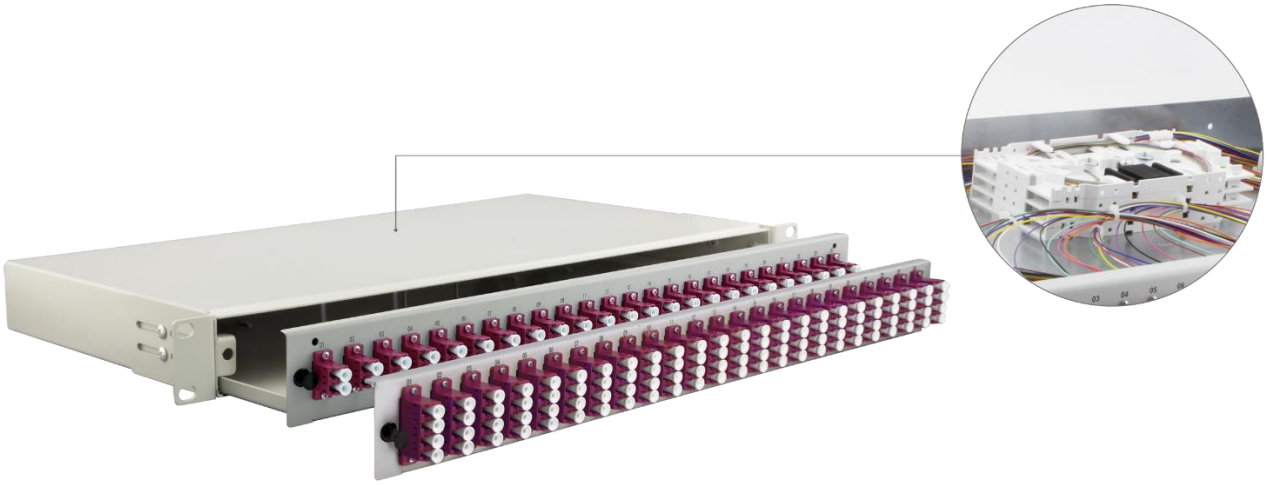
Verbindungstechnik – LWL
[Network Connectivity - FO]

LWL-Verteilerfeld – Ultra-Slim - ausziehbar - OM4
[FO patch panel - Ultra-Slim - extendible - OM4]

PP6



Die vorkonfektionierten TKM LWL-Verteilerfelder sind direkt geeignet für die Verwendung in Glasfasernetzen. Sie sind verwendbar als spleißfertiges Verteilerfeld mit eingelegtem Spleißequipment (PPRS – Patch Panel ready to Splice). Die Verteilerfelder sind designed mit den folgenden Funktionen:

- Spleißequipment (SE) und Spleißprotektor (SP) – Heat Shrink (HS) // Crimp (CR)
- Qualitätsstufen SE: Höchster Standard (HS), Grade B (GB), Grade C (GC)
- Extra geringe Einbautiefe für hervorragende rückwärtige Zugriffsmöglichkeit
- Installationstiefe: Ultra-Slim Version (210mm)

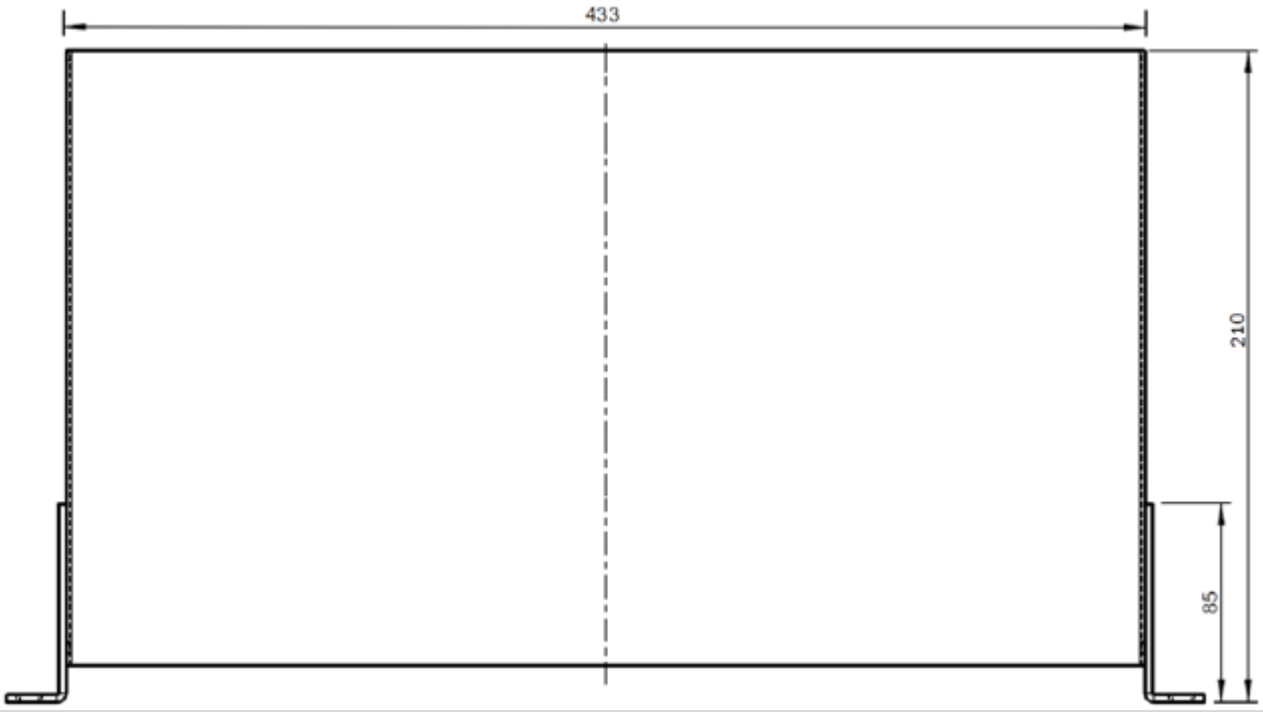
[The pre-assembled TKM FO patch panels are direct applicable to use in FO networks. They are usable as patch panel ready to splice with already implemented splice equipment (PPRS – patch panel ready to splice). The FO patch panels are designed with the following features:

- *splice equipment (SE) and splice protector (SP) - heat shrink (SH) // crimp (CR)*
- *quality grades SE: high standard (HS), grade B (GB), grade C (GC)*
- *extra shallow installation depth for excellent rear accessibility drawer with pulling eye and snap-in feature*
- *installation depth: ultra-slim version (210mm)]*

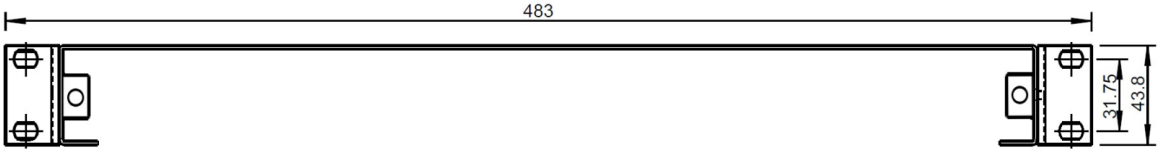
* Produktfoto exemplarisch
[product picture exemplary]

Technische Daten – 24/48 - Port LWL-Verteilerfeld
[technical data – 24/48 - port FO patch panel]

Gehäusekörper *[panel body]*			
Mechanische Eigenschaften - Oberteil ***[mechanical characteristics – top part]***			
Material *[material]*	pulverbeschichteter Stahl *[powder coated steel]*		
Farbe *[colour]*	grau – ähnlich RAL7035 *[grey – similar to RAL7035]*	schwarz – ähnlich RAL9005 *[black – similar to RAL9005]*	
Version *[version]*	Ultra-Slim – Tiefe ca. 210mm *[ultra-slim – depth approx. 210mm]*		
Abmaße BxTxH *[dimensions WxDxH]*	siehe Skizze *[see drawing]*		
Gewicht *[weight]*	ca. 1200g		
Mechanische Eigenschaften – Schublade ***[mechanical characteristics – drawer]***			
Material *[material]*	pulverbeschichteter Stahl *[powder coated steel]*		
Farbe *[colour]*	grau – ähnlich RAL7035 *[grey – similar to RAL7035]*	schwarz – ähnlich RAL9005 *[black – similar to RAL9005]*	
Schublade Gewicht *[weight drawer]*	ca. 1000g	**Gesamtgewicht inkl. 4x Spleißequipment** ***[total weight incl. 4x splice equipment]***	ca. 2700g (2400g + 4x 75g)

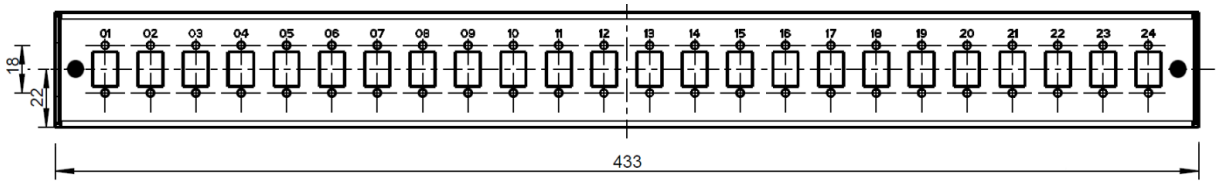


Oberteil
[top part]



Oberteil
[top part]

Frontplatte LCdx/SCsx Footprint: ***[front plate LCdx/SCsx footprint:]***		
Material ***[material]***	pulverbeschichteter Stahl *[powder coated steel]*	
Farbe ***[colour]***	grau – ähnlich RAL7035 *[grey – similar to RAL7035]*	schwarz – ähnlich RAL9005 *[black – similar to RAL9005]*
Abmaße BxTxH ***[dimensions WxDxH]***	siehe Skizze *[see drawing]*	
Gewicht ***[weight]***	ca. 320g	
Kapazität ***[capacity]***	bis zu 24x LCdx/SCsx Kupplungen *[up to 24x LCdx/SCsx adapters]*	
Portbedruckung ***[port labelling]***	1 – 24	
Position Portbedruckung *[position of port labelling]*	Mitte des Ports *[middle of port]*	



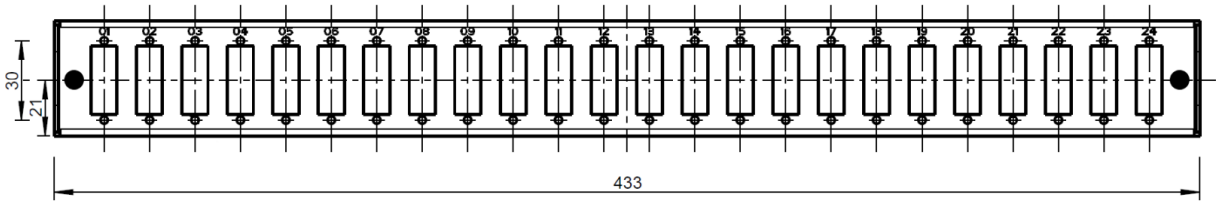
Frontplatte
[front plate]

LWL Kupplung: ***[FO adapter:]***	
Version *[version]*	LC DX // SC SX
Material Gehäuse *[material body]*	Polycarbonat UL 94V0 *[polycarbonate UL 94V0]*
Farbe Gehäuse *[colour body]*	Erikaviolett – ähnlich RAL4003 *[heather violet – similar to RAL 4003]*
Ferrulentyp *[type of sleeve]*	Keramik *[ceramic]*
Staubschutz *[dust protection]*	Inkl. Staubschutzkappe *[incl. dust cap]*

k.A.
[n.a.]

*exemplarische Abbildung
[exemplary picture]

Frontplatte SCdx/LCquad Footprint: ***[front plate SCdx/LCquad footprint:]***		
Material ***[material]***	pulverbeschichteter Stahl *[powder coated steel]*	
Farbe ***[colour]***	grau – ähnlich RAL7035 *[grey – similar to RAL7035]*	schwarz – ähnlich RAL9005 *[black – similar to RAL9005]*
Abmaße BxTxH ***[dimensions WxDxH]***	siehe Skizze *[see drawing]*	
Gewicht ***[weight]***	ca. 280g	
Kapazität ***[capacity]***	bis zu 24x SCdx/LCquad Kupplungen *[up to 24x SCdx/LCquad adapters]*	
Portbedruckung ***[port printing]***	1 – 24	
Position Portbedruckung *[position of port printing]*	Mitte des Ports *[middle of port]*	



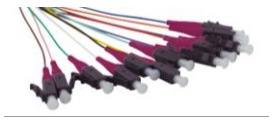
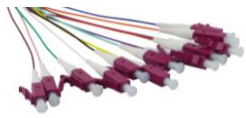
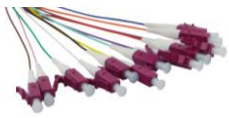
Frontplatte
[front plate]

LWL Kupplung: ***[FO adapter:]***	
Version *[version]*	SC DX // LC QUAD
Material Gehäuse *[material body]*	Polycarbonat UL 94V0 *[polycarbonate UL 94V0]*
Farbe Gehäuse *[colour body]*	Erikaviolett – ähnlich RAL4003 *[heather violet – similar to RAL 4003]*
Ferrulentyp *[type of sleeve]*	Keramik *[ceramic]*
Staubschutz *[dust protection]*	Inkl. Staubschutzkappe *[incl. dust cap]*

k.A.
[n.a.]

*exemplarische Abbildung
[exemplary picture]

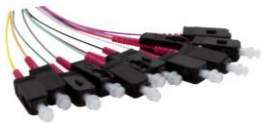
Optional: SE – Spleiß Equipment
[optional: SE – splice equipment]

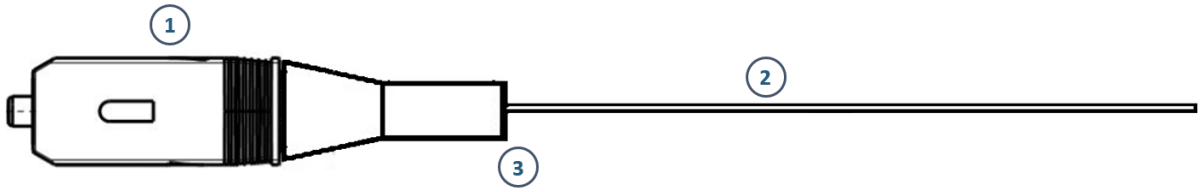
Pigtailset LC: ***[pigtailset LC:]***			
Steckertyp ***[types of connector]***	LC/PC		
Qualitätsstufe *[quality type]*	HS – High Standard	GB – Grade B	GC – Grade C
Hersteller / Marke des Steckers *[manufacturer / brand of connector]*	Huber & Suhner *[Huber & Suhner]*	Kein Markenstecker – Grade B *[no brand connector – grade B]*	Kein Markenstecker – Grade C *[no brand connector – grade C]*
Farbe Stecker *[colour connector]*	Schwarz *[black]*	erikaviolett *[heather violet]*	erikaviolett *[heather violet]*
Farbe Knickschutz *[colour boot]*	erikaviolett *[heather violet]*	Weiß *[white]*	Weiß *[white]*
IL@97% [db]: // RL [db]: IL (typical) [db]: // RL (typical) [db]: **IEC 61300-3-34 / IEC 61300-3-6**	≤ 0,25 ≥ 35 ≤ 0,12 ≥ 45 **GRADE B/3**	≤ 0,25 ≥ 35 ≤ 0,20 ≥ 45 **GRADE B/3**	≤ 0,50 ≥ 35 ≤ 0,25 ≥ 40 **GRADE C/3**
			
	*exemplarische Abbildung , Produkt kann farblich abweichen *[exemplary picture, product may vary in colour]*		
Faser ***[fibre]***	1xG50/125 OM4 G.651		
Faserdurchmesser ***[fibre diameter]***	0,9mm		
Material Coating ***[material of coating]***	LSZH		
Farbkodierung Pigtailset ***[colour code of pigtailset]***	gemäß IEC 60304 *[acc. to IEC 60304]*		
Länge Pigtails gesamt ***[length of pigtails absolute]***	2,50m		
Freie Länge Pigtails ausserhalb Kassette ***[free length of pigtails outside cassette]***	1,50m		

*exemplarisch LC Stecker
[exemplarily LC connector]

1	Steckerkörper *[connector body]*	2	Faser *[fibre]*
3	Staubschutzkappe *[dust cap]*	4	Knickschutz *[boot]*

Optional: SE – Spleiß Equipment
[optional: SE – splice equipment]

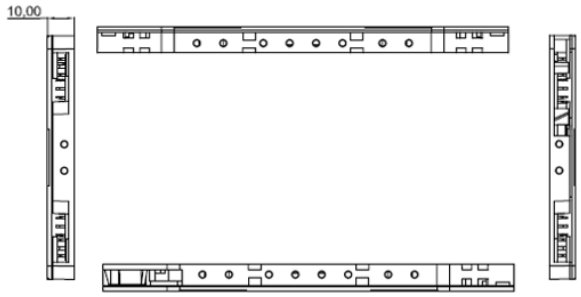
Pigtailset SC: ***[pigtailset SC:]***			
Steckertyp ***[types of connector]***	SC/PC		
Qualitätsstufe *[quality type]*	HS – High Standard	GB – Grade B	GC – Grade C
Hersteller / Marke des Steckers *[manufacturer / brand of connector]*	Huber & Suhner *[Huber & Suhner]*	Kein Markenstecker – Grade B *[no brand connector – grade B]*	Kein Markenstecker – Grade C *[no brand connector – grade C]*
Farbe Stecker *[colour connector]*	beige *[beige]*	erikaviolett *[heather violet]*	erikaviolett *[heather violet]*
Farbe Knickschutz *[colour boot]*	schwarz *[black]*	erikaviolett *[heather violet]*	erikaviolett *[heather violet]*
IL@97% [db]: // RL [db]: IL (typical) [db]: // RL (typical) [db]: **IEC 61300-3-34 / IEC 61300-3-6**	≤ 0,25 ≥ 35 ≤ 0,12 ≥ 45 **GRADE B/3**	≤ 0,25 ≥ 35 ≤ 0,20 ≥ 45 **GRADE B/3**	≤ 0,50 ≥ 35 ≤ 0,25 ≥ 40 **GRADE C/3**
			
	*exemplarische Abbildung , Produkt kann farblich abweichen *[exemplary picture, product may vary in colour]]*		
Faser ***[fibre]***	1xG50/125 OM4 G.651		
Faserdurchmesser ***[fibre diameter]***	0,9mm		
Material Coating ***[material of coating]***	LSZH		
Farbkodierung Pigtailset ***[colour code of pigtailset]***	gemäß IEC 60304 *[acc. to IEC 60304]*		
Länge Pigtails gesamt ***[length of pigtails absolute]***	2,50m		
Freie Länge Pigtails ausserhalb Kassette ***[free length of pigtails outside cassette]***	1,50m		

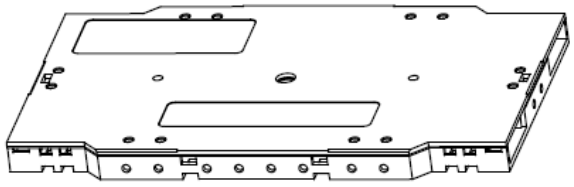


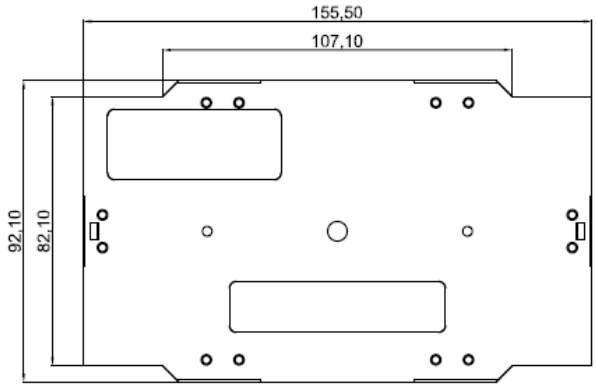
*exemplarisch SC Stecker
[exemplarily SC connector]

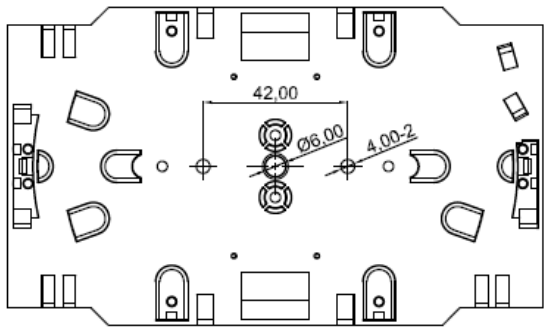
1	Steckerkörper *[connector body]*	2	Faser *[fibre]*
3	Knickschutz *[boot]*	4	n.a. *[n.a.]*

Spleißkassette: ***[splice cassette:]***	
Spleißkassette ***[splice cassette]***	
Material *[material]*	Acrylnitril-Butadien-Styrol-Copolymere (ABS)
Aufnahmekapazität *[capacity]*	je Spleißkassette bis zu 24 Fasern *[each splice cassette up to 24 fibres]*
Gewicht *[weight]*	30g
Spleißkassettendeckel ***[splice cassette top cover]***	
Material *[material]*	Acrylnitril-Butadien-Styrol-Copolymere (ABS)
Beschriftung *[labelling]*	mit Laser-Hinweisschild und Farbcode versehen *[signed with laser indicating label and colour code]*
Gewicht *[weight]*	20g
Spleißhalter ***[splice holder]***	
Material *[material]*	Acrylnitril-Butadien-Styrol-Copolymere (ABS)
Kapazität Version Crimp *[capacity version crimp]*	12 Positionen für Spleißprotektor Crimp *[12 positions for splice protector crimp]*
Kapazität Version Schrumpf *[capacity version heat shrink]*	6 Positionen für Spleißprotektor Schrumpf *[6 positions for splice protector heat shrink]*

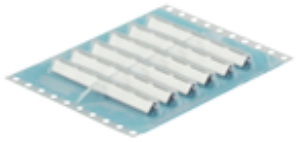


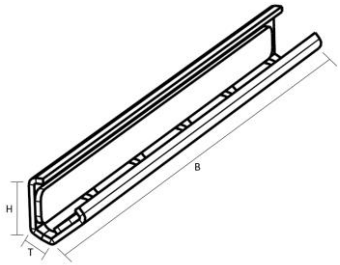






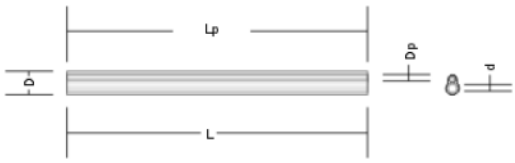
Spleißprotektor Crimp ***[splice protector crimp]***	
Abmaße [BxHxT] ***[dimensions [WxHxD]]***	30x3x1,2 mm
Gewicht ***[weight]***	0,3g
Typ Spleißprotektor Crimp ***[type of splice protector]***	TKM SSE – 4780015
zugelassen nach ***[approved for]***	TS 0338/96 – Deutsche Telekom





*exemplarische Abbildung
[exemplary picture]

Spleißprotektor Schrumpf ***[splice protector heat shrink]***	
Abmaße [LxD] ***[dimensions [LxD]***	40x2,5mm
Gewicht ***[weight]***	0,4g
Typ Spleißprotektor Schrumpf ***[type of splice heat shrink]***	TKM - 4780033

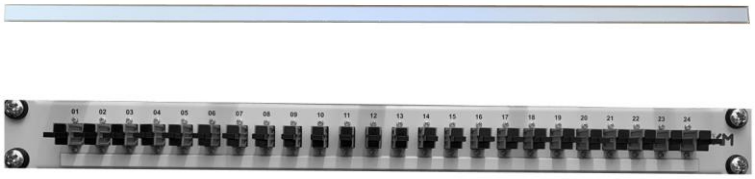


*exemplarische Abbildung
[exemplary picture]

Bestellangaben
[ordering information]

Artikelnummer ***[part no.]***	**Beschreibung** ***[description]***
Typ Verteilerfeld – Ultra-Slim: LCdx – Ausstattung: mit Spleiß Equipment (HS / GB / GC) und Spleißprotektor (CR / HS) ***[type of panel – Ultra-Slim: LCdx – equipment: with splice equipment (HS / GB / GC) and splice protector (CR / HS)]***	
PP6-24L2HV-HSCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x LCdx – Bestückung: SE-**HS**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCdx – equipped with: SE-**HS**-SP-CR]*
PP6-24L2HV-GBCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX- US – Kupplungen: 24x LCdx – Bestückung: SE-**GB**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCdx – equipped with: SE-**GB**-SP-CR]*
PP6-24L2HV-GCCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x LCdx – Bestückung: SE-**GC**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCdx – equipped with: SE-**GC**-SP-CR]*
Typ Verteilerfeld - Ultra-Slim: LCquad – Ausstattung: mit Spleiß Equipment (HS / GB / GC) und Spleißprotektor (CR / HS) ***[type of panel - Ultra-Slim: LCquad – equipment: with splice equipment (HS / GB / GC) and splice protector (CR / HS)]***	
PP6-24L4HV-HSCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x LCquad – Bestückung: SE-**HS**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCquad – equipped with: SE-**HS**-SP-CR]*
PP6-24L4HV-GBCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x LCquad – Bestückung: SE-**GB**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCquad – equipped with: SE-**GB**-SP-CR]*
PP6-24L4HV-GCCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x LCquad – Bestückung: SE-**GC**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x LCquad – equipped with: SE-**GC**-SP-CR]*
Typ Verteilerfeld - Ultra-Slim: SCdx – Ausstattung: mit Spleiß Equipment (HS / GB / GC) und Spleißprotektor (CR / HS) ***[type of panel - Ultra-Slim: SCdx – equipment: with splice equipment (HS / GB / GC) and splice protector (CR / HS)]***	
PP6-24S2HV-HSCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x SCdx – Bestückung: SE-**HS**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US – adapters: 24x SCdx – equipped with: SE-**HS**-SP-CR]*
PP6-24S2HV-GBCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US – Kupplungen: 24x SCdx – Bestückung: SE-**GB**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US –adapters: 24x: SCdx – equipped with: SE-**GB**-SP-CR]*
PP6-24S2HV-GCCPC-G0-7035	LWL-Verteilerfeld OM4 – Typ: PPRS-EX-US –: 24x SCdx – Bestückung: SE-**GC**-SP-CR *[FO patch panel OM4 – type: PPRS-EX-US –: 24x: SCdx – equipped with: SE-**GC**-SP-CR]*
ℹ	Für Bestückungsvarianten mit weniger als 24x Kupplungen / Spleiß Equipment ändert sich Artikelnummer wie folgt: PP6-**XX**L2HV-HSCPC-G0-7035: XX – Anzahl gewünschter Adapter mit XX ≤ 23 *[for other assembly versions with less than 24x adapters / splice equipment the part number has to be modified as follows:* *PP6-**XX**L2HV-HSCPC-G0-7035:* *XX – quantity of requested adapters XX ≤ 23*
ℹ	Legende: PP6-**XX**L2HV-**[SE][SP]**PC-G0-**[RAL]** *[legend]* [SE] – Spleißequipment, dabei: **HS** – High Standard (Markenstecker) **GB** – Grade B **GC** – Grade C [SP] – Spleißprotektor: **C** – Crimp Version **H** – Heatshrink Version [RAL] Farbcodierung in der Artikelnummer: **7035** – grau, RAL 7035 **9005** – schwarz, RAL 9005 *[[SE] – splice equipment, with:* ***HS** – High Standard (brand connector)* ***GB** – Grade B* ***GC** – Grade C* *[SP] – splice protector:* ***C** – crimp version* ***H** – heat shrink version]* *[RAL] colour coding in the part number:* ***7035** – grey, RAL 7035* ***9005** – black, RAL 9005]*

Bestellangaben - Zubehör
[ordering information - accessories]

Artikelnummer *[part no.]*	**Beschreibung** *[description]*
01-57-35-0046	Bezeichnungsstreifen – Schriftfeldhöhe: 8mm – selbstklebend mit transparenter Abdeckung - Abmaße LxBxT ca. 410x9,5x3,5mm *[labelling strip – height of marking field: 8mm – adhesive with transparent cover - dimensions LxWxH: approx.125x9,5x3,5mm]*
	 *exemplarische Abbildung *[exemplary picture]*
MS-BC-0001	BC - Blindabdeckung (01-57-35-0026) mit LCquad Footprint für Verteilerfelder - verwendbar für: SCdx / LCquad - Farbe: schwarz - VPE=10 *[BC - blind cover (01-57-35-0026) with LCquad footprint for FO patch panel - applicable for: SCdx / LCquad - colour: black - PU=10]*
	 *exemplarische Abbildung *[exemplary picture]*
MS-BC-0002	BC - Blindabdeckung (01-57-35-0004) mit LCdx Footprint für LWL Verteilerfelder - verwendbar für: SCsx / E2000sx / LCdx - Farbe: schwarz - VPE=10 *[BC - Blind cover (01-57-35-0004) with LCdx footprint for FO patch panel - applicable for: SCsx / E2000sx / LCdx - colour: black - PU=10]*
	 *exemplarische Abbildung *[exemplary picture]*
MS-PP-0001	MS - Montageset für Einbau von 19Zoll Komponenten in Verteilerschränke - VPE=25 *[MS - mounting set for installation of 19inch components into racks - PU=25]*
	 *exemplarische Abbildung *[exemplary picture]*