

Code letter for marking the equipment type

- A:

Subassemblies, Part subassemblies
- B:

Component function: Measure, Acquire, Determine  
Typical components: Sensors, Mech. switches, Measuring elements
- C:

Component function: Record, Save  
Typical components: Buffer batteries, Capacitors, Storage devices
- E:

Component function: Cool, Heat, Light  
Typical components: Lamps, Lights, Heat exchangers, Air conditioning units
- F:

Component function: Protect, Protect  
Typical components: Fuses, Line safety switch, Motor circuit-breaker
- G:

Component function: Generate  
Typical components: Generators, Solar cells, Batteries
- K:

Component function: Processing, Control, Control  
Typical components: Control subassemblies, I/O subassemblies, Contactor relays, Relays
- M:

Component function: Drive  
Typical components: Motors, Linear motors, Actuator
- P:

Component function: Measure, Test  
Typical components: Amperemeter, Voltmeter, Recording voltmeter
- Q:

Component function: :Connection of energy and load  
Typical components: Motor contactors, Fluid valves, Load-break switch, Motor starter
- R:

Component function: Limit, Stabilize, Restrict  
Typical components: Diodes, Resistors, Limiter
- S:

Component function: Manual control, Influence, Select  
Typical components: Control units, Selector switch, PC mouses, PC keyboards
- T:

Component function: Amplify, Transform, Transform, Form  
Typical components: Transformer, Frequency converter, Measuring transducer, Amplifier
- U:

Component function: Store, Hold, Support  
Typical components: Insulators
- V:

Component function: Filter, Clean  
Typical components: Line filter
- W:

Component function: Conduct, Distribute  
Typical components: Busbars, Cable, Optical fibre, Leadthroughs
- X:

Component function: Connect, Couple  
Typical components: Connectors, Connectors, Terminals, Terminal strips

Conductor color

- Black (BK):

Main current circuits for direct and alternating voltage
- Red (RD):

Control circuits for alternating voltage
- Blue (BU):

Control circuits for direct voltage
- Dark blue (DBU):

Control circuits for direct voltage
- Orange (OG):

looped-in external wires / Voltage before main switch
- Green yellow (GNYE):

Protective conductor
- White (WH):

Ground analog

Conductor cross-sections

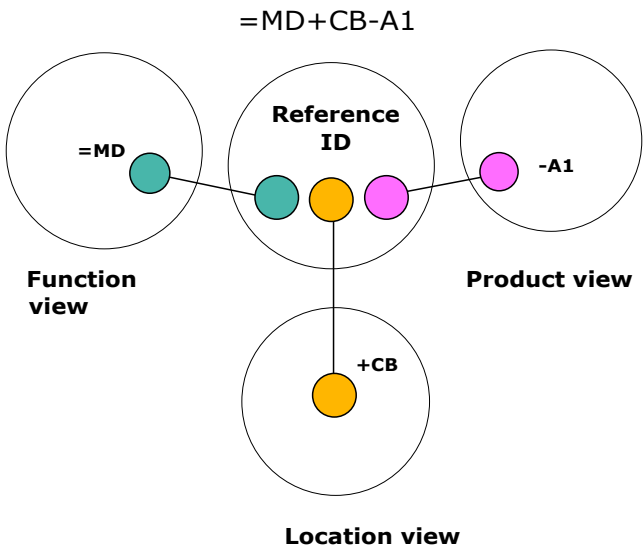
- Unlabeled single cores in the electrical cabinet for 24V DC / 0V DC:

0,5mm² / Blue
- Unlabeled single cores in the electrical cabinet for 230V AC / 0V AC:

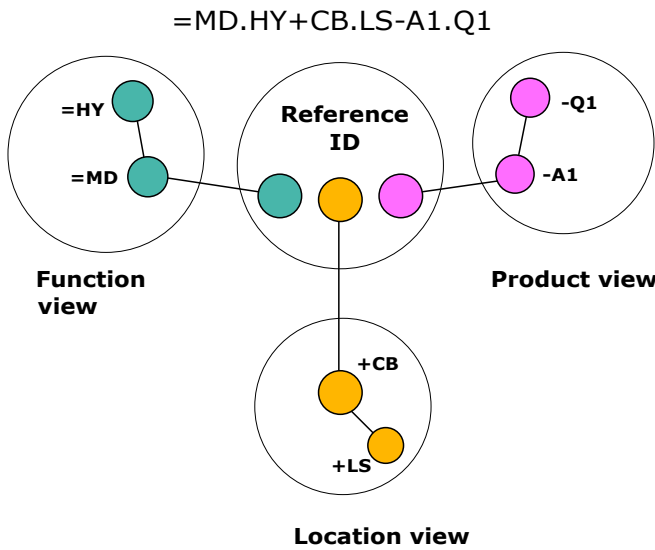
1,5mm² / Red

Classification levels

Reference ID with one level



Reference ID with several levels



- > =Media delivery (MD). Hydraulics (HY)
- > +Electrical cabinet (CB). Power side (LS)
- > -Module (A1). Motor circuit-breaker (Q1)

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	Set of schematics TruLaser 1000 fiber BE			34711-08	01.02.2024 TCN521ZX	01.02.2024 TCN521ZX	01.02.2024 TCN520HU	Circuit diagram TruLaser 1000 fiber BE			Reference ID overview					
	Project number	Vers.proj.	Doc.type	Original record	03.04.2023 TCN521TE	17.05.2023 TCN521TE	17.05.2023 TCN520HU	Document number	Doc. part	Version	Status	Id number	Sheet	Type	Format	
	93630-5-E1	03	E3S					93630-5-201	002	03	RE	2815136	8 of 111	E1	A3	