

Series PEH

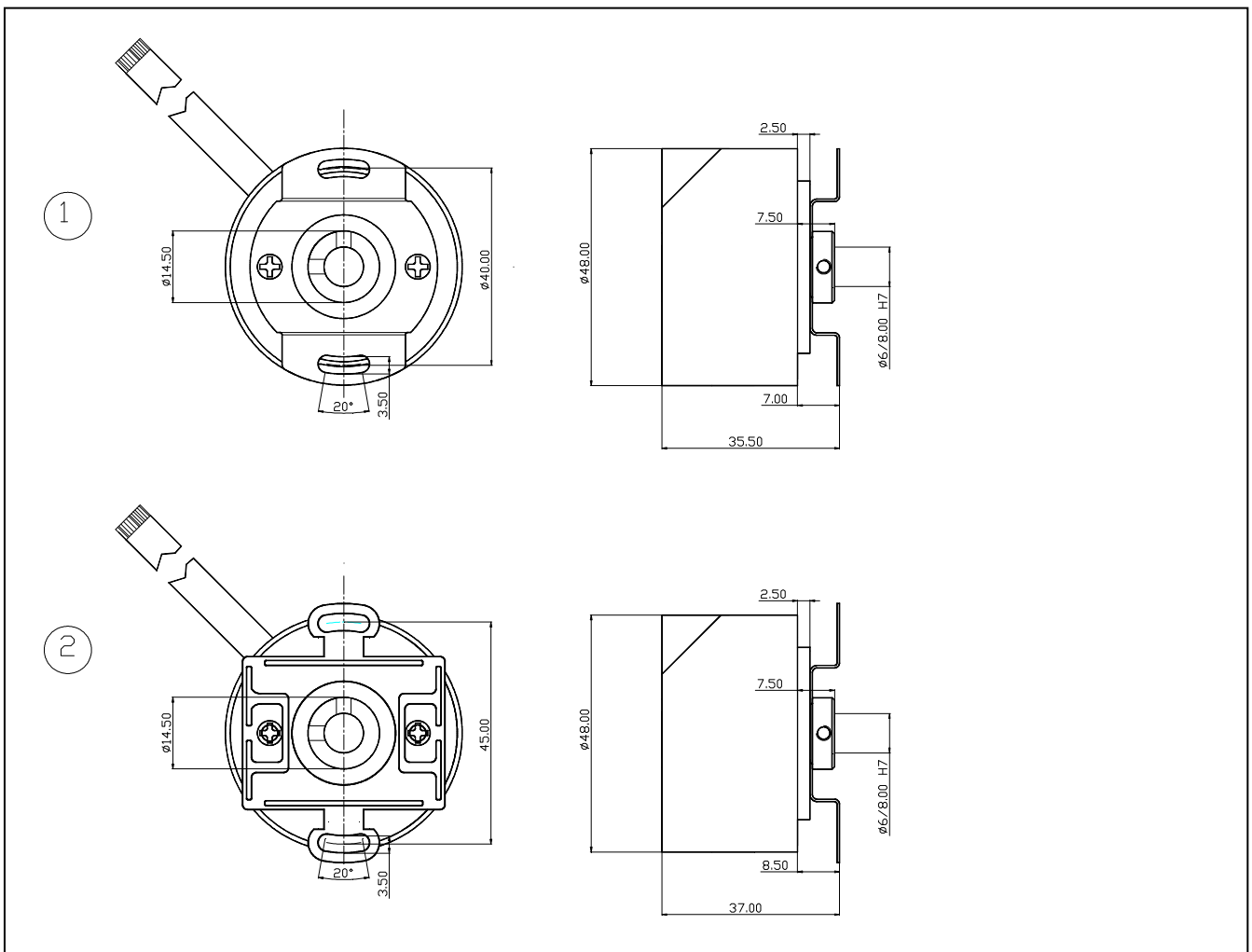
Incremental hollow shaft encoder,
with effect Hall phases

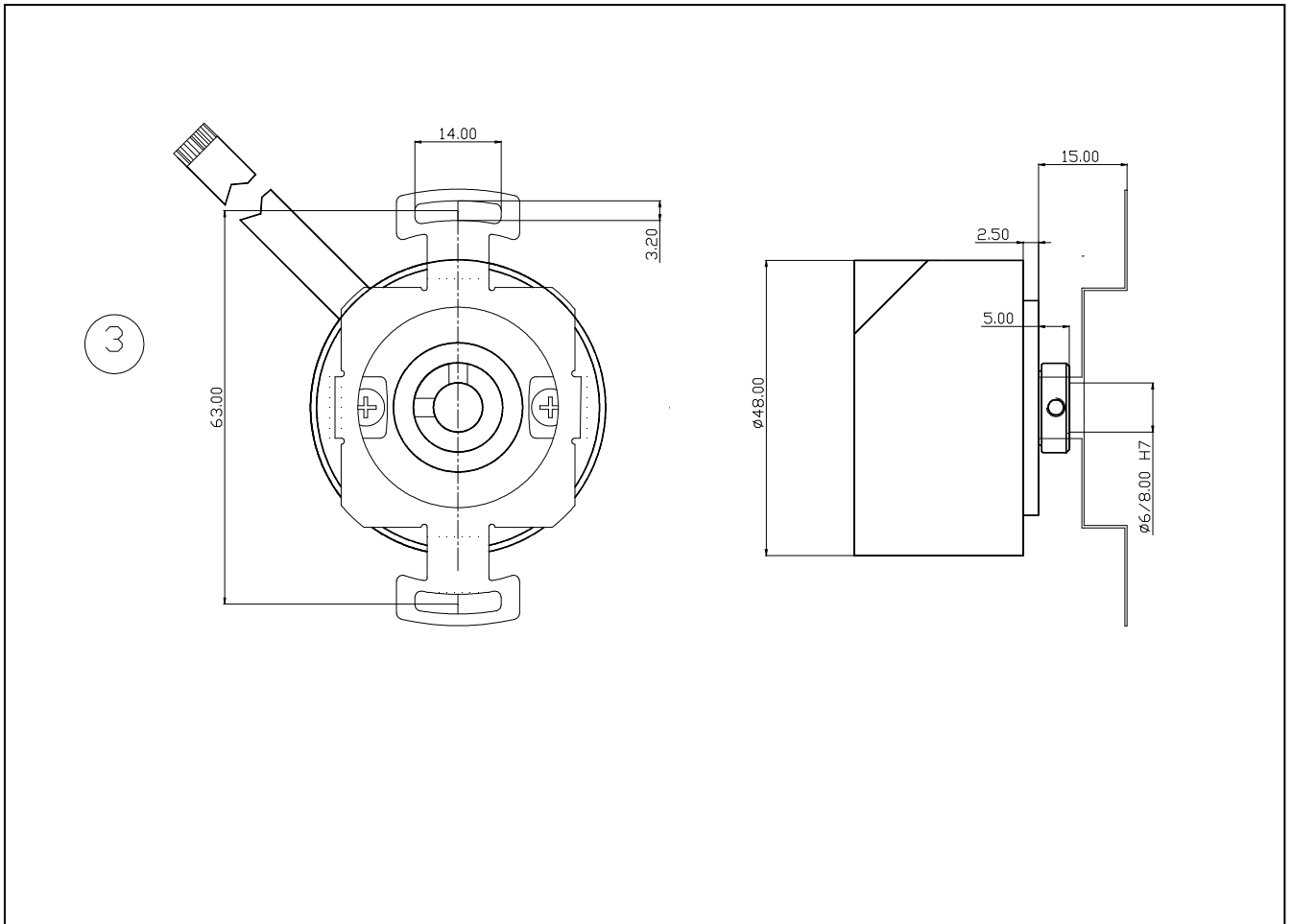
Mechanics Data

| | |
|----------------|------------------------|
| Cover: | ABS |
| Body: | Aluminium |
| Solid shaft: | Stainless steel |
| Bearings: | 2, ball races |
| Weight: | Approx. 150gr. |
| Protection: | IP44 |
| Rpm: | 6000 Max |
| Torque: | 3Ncm |
| Inertia: | 40gcm ² |
| Shaft loading: | Axial 30N - Radial 30N |



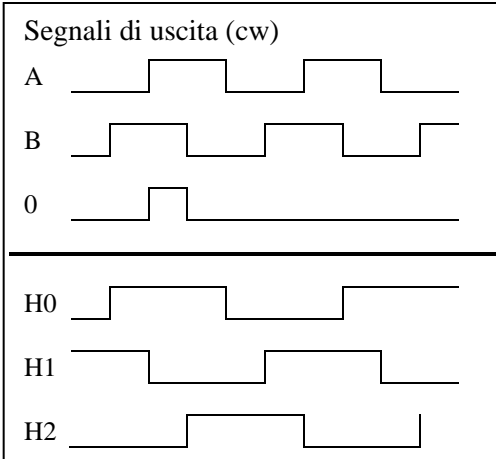
Dimensions in mm





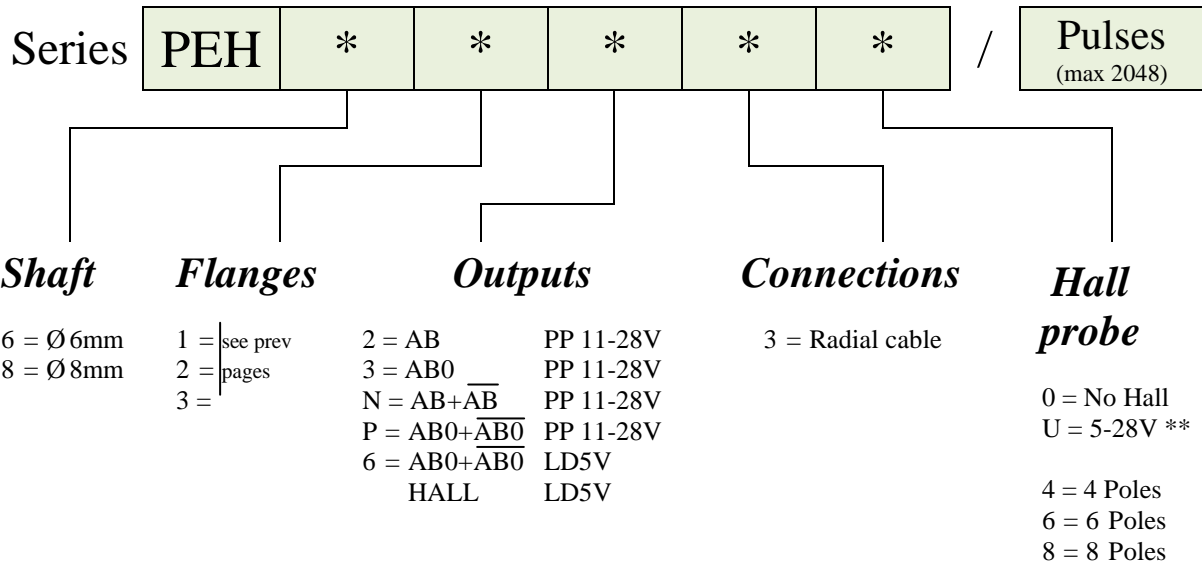
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Electronics Data



Current consumption: 80mA max. With Hall phases 160mA max
 Permissible load: 20/40mA depends on the electronics circuit
 Frequency: up to 300KHz
 Protections: Against short circuit, reversal polarity
 Operating Temp.: -10/+70°C (-30° / +100° on request)

Ordering code



** = Power 5-28 V for outputs 2,3,N,P with compatibles levels output TTL · Low level output <0.5V · High level output > +VCC-1,9V

Connection

| | incremental encoder | | | | | | | | Hall | | | | | | | | |
|--------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------------------------|------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------|-----------------|-----------------------|------------------|-----------------------|----------------------------|
| | - | + | A | B | A ⁻ | B ⁻ | 0 | 0 ⁻ | H0 | H1 | H2 | H0 ⁻ | H1 ⁻ | H2 ⁻ | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| Cable | B L A C K | B L U E | B R O W N | B E I G E | G R E E N | Y E L L O W | P I N K | V I O L E T | O R A N G E | T R A N S P | Y E L L O W | G R E E N | R E D | W H I T E | B L U E | W H I T E | Y E L L O W |